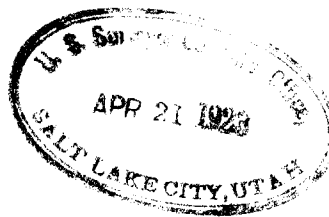


Volume

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R0465

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BOOK A-465
FIELD NOTESOF THE ~~SURVEY~~

RETRACEMENT OF THE UTAH-COLORADO STATE BOUNDARY BETWEEN

THE 85TH AND 91ST MILE CORNERS;

ESTABLISHMENT OF QUARTER SECTION CORNERS FOR EAST BDY. OF

T. 29 S., R. 26 E., ON THE UTAH-COLORADO BOUNDARY;

ESTABLISHMENT OF QUARTER SECTION CORNERS ON NORTH BOUNDARY

OF T. 29 S., R. 26 E.;

RESURVEY OF WEST BOUNDARY OF T. 29 S., R. 26 E., and

SUBDIVISION OF TOWNSHIP 29 SOUTH, RANGE 26 EAST.

Of the SALT LAKE BASE AND Meridian,

In the State of UTAH

EXECUTED BY

ANDREW NELSON, U.S. CADASTRAL ENGINEER.

In the capacity of U. S. Cadastral Engineer, under instructions dated May 31, 1922,

issued by the United States Surveyor General to govern surveys included in

Group No. 128, which were approved by the Commissioner of the General Land

Office, June 8, 1922

Assignment Instructions dated May 12, 1922.

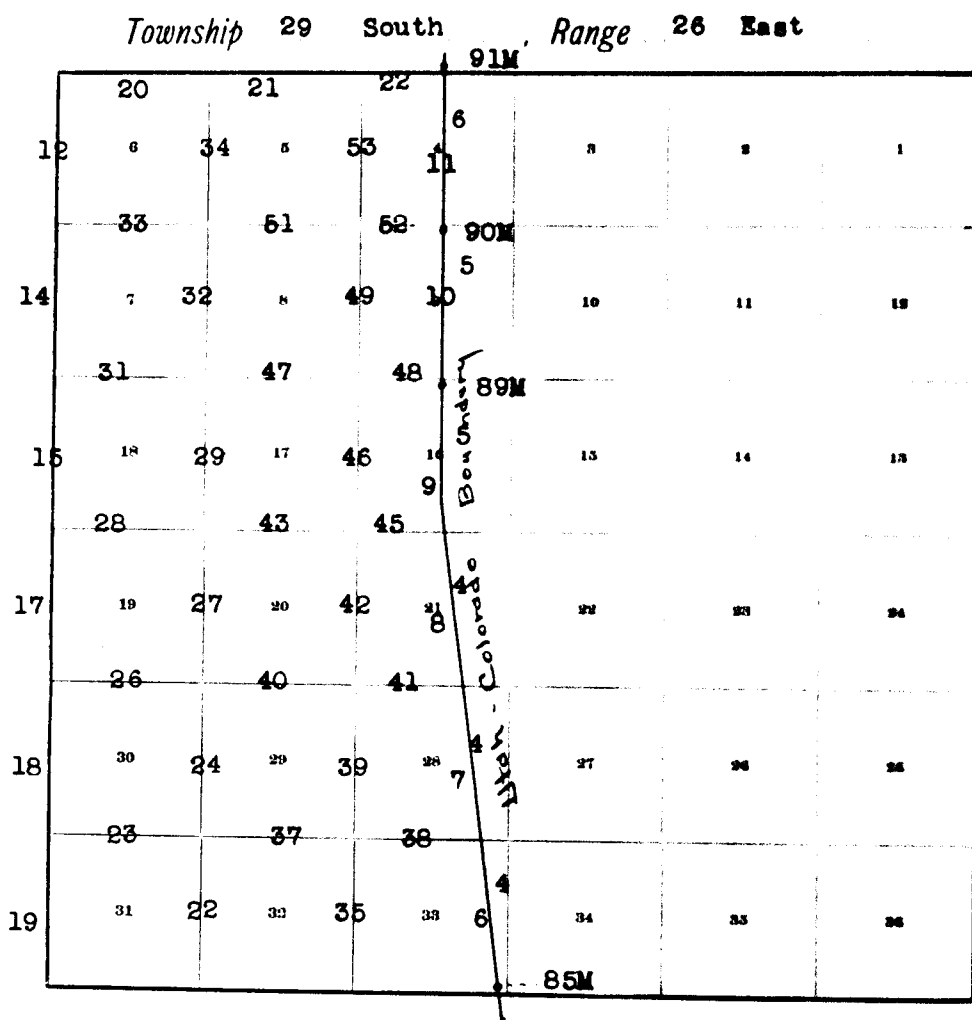
Survey commenced May 29, 1922

Survey completed June 20, 1922

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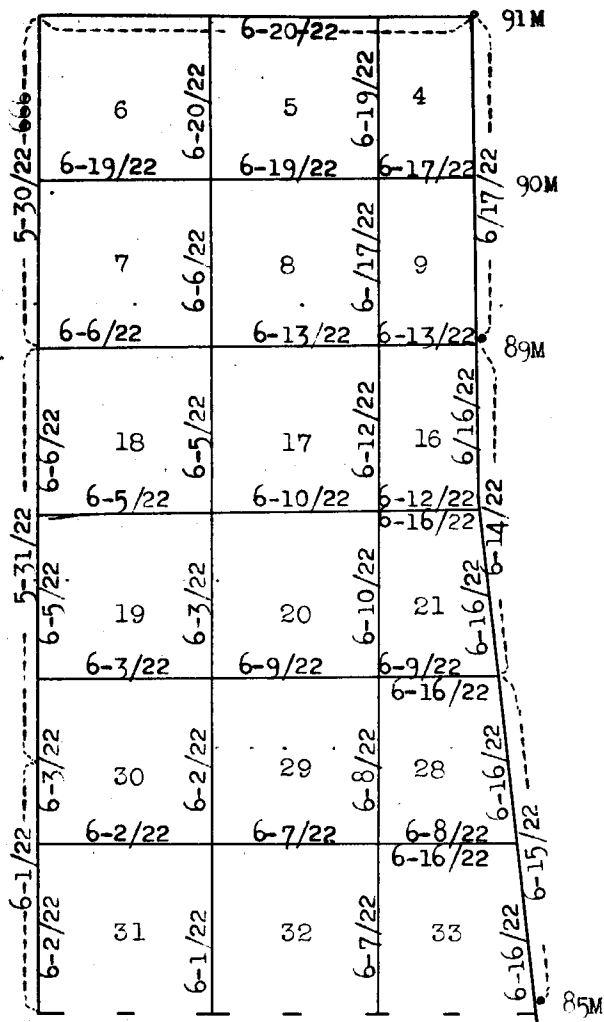
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INDEX DIAGRAM.



T. 29 S., R. 26 E.

DATE DIAGRAM OF T. 29 S., R. 26 E.



All lines in this fractional township were surveyed by Andrew Nelson, U.S. Cadastral Engineer, on dates as shown above.

Survey commenced May 29, 1922, and executed with a Buff & Buff transit No. 9978; equipped with a Smith solar attachment and full vertical circle. The horizontal limb is provided with two double verniers placed opposite to each other and reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs, and the vertical circle; unless otherwise specified all azimuth

BOOK A-465

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INDEX DIAGRAM.

Township 29 S, Range 26 E

20	21	22	23	24			
12	6	34	5	53	11	3	2
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15	18	29	17	46	9	15	14
28	43	45					
17	19	27	20	42	8	22	23
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19	31	22	32	35	33	34	35

With Colorado Body Line

T. 29 S., R. 26 E.

determinations are accomplished with the solar attachment.

The instrument was approved for use in this survey by the Assistant Supervisor of Surveys, for Utah, conditional upon satisfactory field tests, in assignment instructions dated May 12, 1922.

May 29: At my station situated near the $\frac{1}{4}$ sec. cor. of secs. 7 and 8, T. 29 S., R. 26 E., S. L. B. & Mer., in approximate latitude $38^{\circ} 17\frac{1}{2}'$ N., longitude $109^{\circ} 08'$ W., I examine the adjustments of the transit and correct all errors, then, to test the solar apparatus by comparing its indications resulting from solar observations made during a.m. and p.m. hours with a meridian determined by observations made on Polaris, I proceed as follows:

At 3h 11.4m a.m., l.m.t., I observe Polaris at eastern elongation, making six observations, three each with the telescope in direct and reversed positions, and mark the mean point in the line thus determined, on a peg driven firmly in the ground, about 12 chs. N. Azimuth of Polaris at eastern elongation = $1^{\circ} 25\frac{1}{2}'$.

May 29th: At 7h a.m., I lay off the azimuth of Polaris $1^{\circ} 25\frac{1}{2}'$ to the west, and mark the line thus determined by a nail in a peg driven firmly in the ground, about 12 chs. N.

At 8h 0m a.m., app.t., I set off $38^{\circ} 17\frac{1}{2}'$ N. on the lat. arc; $21^{\circ} 34'$ N. on the decl. arc; and determine a meridian with the solar which I find to bear 1' to left of the true meridian.

At appt. noon I make a meridian observation of the sun for time and latitude, observing simultaneously the altitude of the sun's lower limb and the transit of the sun's west limb, reversing the telescope and observing simultaneously the altitude of the sun's upper limb and the transit of the sun's east limb.

Mean observed altitude ----- $73^{\circ} 18' 00''$
 Reduced latitude ----- $38^{\circ} 17' .4$ ✓
 Mean watch time of observation ----- 12h 9m 40s
 Watch fast of local mean time ----- 12m 30s ✓

At apparent noon with the lat. arc. unchanged, I observe the sun on the meridian; the resulting reading of the decl. arc is $21^{\circ} 35' .5$ N., which agrees with the computed declination of the sun.

At 3h 45m p.m., app.t., with the lat. arc unchanged, I set off $21^{\circ} 37'$ N. on the decl. arc., and determine a meridian with the solar, which I find to agree with the true meridian.

As all the solar observations during the usual hours of solar work come within $1' 30''$ of the true meridian, I conclude that the adjustments of the instrument are satisfactory. The instrument was kept in good adjustment during the progress of this survey, frequent tests being made on the above Polaris meridian, and latitude observations were taken daily whenever possible.

June 18th at the above station I make a final test of the solar as follows:

At 8h om a.m., app.t., I set off $38^{\circ} 17_2'$ N. on the lat. arc; $23^{\circ} 25'$ N., and determine a meridian with the solar which bears $2'$ to east of the true meridian.

At apparent noon with the lat arc unchanged, I set off $23^{\circ} 24_2'$ N. on the decl. arc and observe the sun on the meridian; the resulting lat. is $38^{\circ} 17'$ N.

At 3h om p.m., app.t., I set off $38^{\circ} 17_2'$ N. on the lat. arc; $23^{\circ} 25'$ N. on the decl. arc; and determine a meridian with the solar which reads $\frac{1}{2}'$ to east of the true meridian. Therefore I conclude that the adjustments are satisfactory.

Measurements:

Unless otherwise specified all measurements are made with a Lallie steel ribbon tape five (5) chains in length, compared with a Lufkin standard steel tape one (1) chain in length, and found correct. The measurements

Chains

are made on the slope, the vertical angles determined with clinometers, and the measurements properly reduced to true horizontal distances, which only appear in these notes.

RETRACEMENT OF THE UTAH-COLORADO STATE BOUNDARY,
BET. THE 85th and 91st MILE CORNERS.

From the 85th mile corner on the Utah-Colorado boundary, of the "1885" survey, which I find to be a sandstone, 18x16x8 ins., firmly set in a large mound of stone, marked U 85M on W., 1885 on N., and C on E. face, witnessed as follows:

- A pinon, 7 ins.diam., bears S.86°W., 41 lks.
dist., marked U 85M BT
- A pinon, 10 ins.diam., bears N.70°E., 30 lks.
dist., marked C 85M BT

Thence,

N. 7° 10' W., on retracement line along state boundary; making careful searches at intervals of 80.00 chs. for the 86th, 87th and 88th mile corners, failing to find any trace of same, and at

249.07 Fall 7 lks. E. of old signal on S. brink of mesa.

Therefore the true course and dist. bet. the 85th mile cor. and this signal is N. 7° 11' W., 249.07 chs.

I offset over signal and run

North, following a well chopped line.

264.02 A closing corner for Colorado surveys, on line, which is a limestone, 16x12x9 ins., marked CC on E. face, firmly set in ground, witnessed by 2 bearing trees

- as follows:
- A cedar, 14 ins., diam., bears N.44°E.,
48 lks.dist., marked 47N BT
 - A pinon, 8 ins.diam., bears S.71°E.,
17 lks.dist., marked 46N BT

293.34 Intersect the old 89th mile post of the "1878" survey, marked
a pinon post, 4 ins. dia., 4 ft. long/UT on W., Col on E., 89M on S. face and 1878 on N. face, loosely set in ground.

Continue North.

Retracement of Utah-Colorado State Boundary

bet. the 85th and 91st mile corners.

Chains

- 317.09 Fall 8 lks. W. of the 89th mile corner of the "1885" survey, which is a cedar post, 3 ins. dia., extending 18 ins. above ground, firmly set, marked U on W., 85 on N., C on E., and 89 on S. face, unwitnessed. I take bearing trees as follows:
- A pinon, 8 ins.diam., bears S.47°E., 14 lks. dist., marked C 89M BT
 - A pinon, 12 ins.diam., bears S.27°W., 26 lks. dist., marked U 89M BT
- Corner stands on a well chopped line.
- The true bearing of line bet. the old signal and the 89th mile cor. of the 1878 survey is North., and bet. the 89th mile cor. of 1878 survey and 89th mile corner of "1885" survey is N.0°12' E.
-
- From the 89th mile cor. of the "1885" survey.
- North, on retracement line.
- 26.64 E. of my line 5 lks. dist., I find a closing cor. for Colorado surveys, a sandstone, 12x20x4 ins., firmly set in ground, marked CC on E. face, witnessed as follows:
- A pinon, 9 ins.diam., bears N.21°E., 27 lks. dist., marked T4 N 820" 821 BT CC
 - A cedar, 12 ins.diam., bears N.13°W., 21 lks. dist., marked CC BT
- Continue North on same line.
- 56.70 The old 90th mile cor. of the "1878" survey, on line, a cedar post, 4 ins. dia., 4 ft. long, marked very dimly Ut on W., 90M on N., Col on E., and 1878 on S. face. Post lying on the ground. I reset post 18 ins. in ground.
- 80.01 Intersect the 90th mile cor. of the "1885" survey, which I find to be a sandstone 8x16x4 ins., firmly set in ground, and an oak stake 1½ ins. dia., 2 ft. long alongside stone, no marks visible on stone or stake. No trace of the mound and pits reported for this cor. True course and dist. of the 90th mile is therefore
 ✓
 North, 80.01 chs.

Retracement of the Utah-Colorado State Boundary
bet. the 85th and 91st mile corners.

Chains	
	North, on retracement line, from the 90th mile cor.
26.76	E. of my line 3 lks. dist. is a closing cor. for Colorado surveys, which is a sandstone, 8x12x8 ins., firmly set, marked CC on E. face, witnessed by a mound of stone E. of cor.
	Continue North on same line.
73.74	Old signal on line.
81.89	The closing cor. of Ts. 28 and 29 S., hereinafter described.
81.97	The 91st mile cor., on line, which is a triangular sandstone, 16x24x6 ins., set in a large mound of stone, marked C 1885 on E., and U 91M on W. face.
	The true course and dist. of line bet. 90th and 91st mile cors. is therefore North, 81.97 chs.

Establishment of $\frac{1}{4}$ sec. cors. for E. bdy. of T. 29 S.,

R. 26 E., on the Utah-Colorado Boundary.

From the closing corner of Ts. 29 and 30 S., R. 26 E., which is an iron post, 2 ins. dia., firmly set in ground and a mound of stone, marked and witnessed as described by the surveyor general.

Thence, along E. bdy. of sec. 33.

N. $7^{\circ} 30'$ W., for signal at the 85th mile cor.

2.57 The 85th mile cor. Thence,

N. $7^{\circ} 11'$ W.

Over rolling and broken land, facing S. and SW., through medium dense timber and scattering short undergrowth.

37.50 Top of ascent on W. slope, 145 ft. above tp. cor., bears E. 1 ch. dist. to rim of bench bearing NE. and SE.; desc. broken NW. slope.

40.34 Point midway bet. the closing tp. cor. and closing cor. of secs. 28 and 33.

Set an iron post, 3 ft. long, 1 in. dia., 8 ins. in the ground to bedrock, and in a large mound of stone,

Establishment of $\frac{1}{4}$ sec. corners. for E. bdy. of T. 29 S.,
R. 26 E., on Utah-Colorado Boundary.

Chains	
	for $\frac{1}{4}$ sec. cor. of sec. 33 only, with brass cap marked
	$\frac{1}{4}$ S33 | Colo U 1922
	from which
	A pinon, 8 ins. diam., bears S. 13° W., 40 lks. dist., marked U $\frac{1}{4}$ S33 BT A cedar, 10 ins. diam., bears N. 83° W., 9 lks. dist., marked U $\frac{1}{4}$ S33 BT
	Corner situated on steep, rocky W. slope of bench.
59.50	Gulch, 75 ft. below $\frac{1}{4}$ cor., course S.W.; asc. rocky SE. slope, 190 ft. to
74.00	Rim of gulch, bears NE. and S.W.; thence over point of bench to
80.68	The closing cor. of secs. 28 and 33, hereinafter described in notes of subdivision. Cor. situated on edge of rim, bears N.W. and SE.
	Land, rolling and broken; exposure S. and S.W.; drainage S. towards Coyote Wash.
	Soil, rocky with shallow clay and sandy loam; 3rd rate.
	Timber, medium dense scrub cedar and pinon.
	Undergrowth, scattered sagebrush and service berry.

	N. 7° 11' W., on E. bdy. sec. 28.
	Over broken land facing S., through scattering to medium dense timber and short undergrowth; desc. from rim over rocky N. slope, 125 ft. to
3.30	Gulch, course SE.; thence along a broken W. slope on E. side of gulch.
19.00	Recross same gulch, course S. 10° W.; asc. gradually over broken SE. and S. slopes, 230 ft. to
40.28	Set an iron post, 3 ft. long, 1 in. dia., 20 ins. in ground to bedrock, and in a mound of stone, for $\frac{1}{4}$ sec. cor. of sec. 28 only, with brass cap marked
	$\frac{1}{4}$ S28 | Colo U 1922
	from which

Establishment of $\frac{1}{4}$ sec. cor. for E. bdy. of T. 29 S.,
R. 26 E., on the Utah-Colorado Boundary.

Chains	
	<p>A pinon, 7 ins.diam., bears S. $59\frac{1}{2}^{\circ}$W., 28 lks. dist., marked U $\frac{1}{4}$S28 BT ✓</p> <p>A cedar, 14 ins.diam., bears N. $28\frac{1}{2}^{\circ}$W., 25 lks. dist., marked U $\frac{1}{4}$S28 BT ✓</p> <p>Corner situated on a steep NE. slope. Asc. 180 ft. to</p>
80.56	<p>The closing cor. of secs. 21 and 28, hereinafter described.</p> <p>Land, broken; exposure and drainage S.</p> <p>Soil, rocky with shallow clay and sandy loams; 3rd rate.</p> <p>Timber, scattering to medium dense cedar and pinon.</p> <p>Undergrowth scattering sagebrush and service berry.</p>
	<hr/> <p>N. $7^{\circ}11'$ W., on E. bdy. of sec. 21.</p> <p>Over rough and broken land, through medium dense timber and short scattering undergrowth; asc. broken S. slope, 330 ft. to</p>
22.50	<p>Top of a 100 ft. sandstone ledge facing S.W., on S.W. point of high mesa point, bears SE. for about 8 chs. thence N., and N. 10°W.; continue along the W. edge of mesa point from N. 30°E. to</p>
31.90	<p>Top of a 75 ft. broken sandstone ledge, facing NW., and bearing N. 15°E. and S. 15°W.; desc. along abrupt and rocky NW. and W. slope.</p>
40.34	<p>On rocky W. slope, 165 ft. below mesa point.</p> <p>Set an iron post, 3 ft. long, 1 in. dia., 6 ins. in the ground to underlying rock, and in a large mound of stone, for $\frac{1}{4}$ sec. cor. of sec. 21 only, with brass cap marked</p>
	<p style="text-align: center;"> $\frac{1}{4}$ | ✓ S21 | Colo U | 1922 </p>
	<p>from which</p> <p>A pinon, 10 ins.diam., bears N. $52\frac{1}{2}^{\circ}$W., 32 lks. dist., marked U $\frac{1}{4}$S21 BT ✓</p> <p>A pinon, 8 ins.diam., bears N. $86\frac{1}{2}^{\circ}$W., 34 lks. dist., marked U $\frac{1}{4}$S21 BT ✓</p>
76.00	<p>Continue gradual descent over broken W. slope, 65 ft. to</p> <p>Bottom of canyon, course SW. from the N.; proceed up</p>

Establishment of $\frac{1}{4}$ sec. cors. for E. bdy. of T.29 S.,

R. 26 E., on Utah-Colorado Boundary.

Chains

along bottom to

80.00 Leave bottom, course from NE. to S.; asc. 15 ft. to

80.68 The closing cor. of secs. 16 and 21, hereinafter
described.

Land, rough and broken; exposure and drainage S. and
SW.

Soil, rocky with shallow clay and sandy loams; surface
on most of mile strewn with large sandstone boulders;
3rd and 4th rates.

Timber, medium dense cedar and pinon.

Undergrowth, scattered sagebrush and service berry;
some oak brush and a few yellow pines along canyon bottom.

N. $7^{\circ} 11'$ W., along E. bdy. of sec. 16.

Over broken land, through dense timber and short under-
growth; asc. steep, rocky S. mesa slope, 210 ft. to

9.72 The old signal standing on S. edge of mesa bearing
N. 20° E. and SW. Thence,

North, over rolling top of mesa, slight E. slope; follow-
ing old chopped line.

24.67 The closing for for Colorado surveys.

40.05 On E. slope, 115 ft. above edge of mesa.

Set an iron post, 3 ft. long, 1 in. dia., 6 ins. in
ground to bedrock, and in a large mound of stone, for
 $\frac{1}{4}$ sec. cor. for sec. 16 only, with brass cap marked

$\frac{1}{4}$
S16 | Colo
U
1922

from which

A yellow pine, 12 ins. diam., bears S. $44\frac{1}{2}^{\circ}$ W., 25 lks.
dist., marked U $\frac{1}{4}$ S16 BT

A pinon, 10 ins. diam., bears N. $70\frac{1}{4}^{\circ}$ W., 28 lks.
dist., marked U $\frac{1}{4}$ S16 BT

53.99 The old 89th mile cor. of the "1878" survey.

Thence, N. $0^{\circ} 12'$ E.

77.74 The 89th mile cor. of the "1885" survey.

Establishment of $\frac{1}{4}$ sec. cors. for E. bdy. of T. 29 S.,
R. 26 E., on the Utah-Colorado Boundary.

Chains

Thence, North.

80.02 The closing cor. of secs. 9 and 16, hereinafter
described, 30 ft. above the $\frac{1}{4}$ sec. cor.

Land, broken mesa slope on S. end on mile; rolling top
of mesa on balance; exposure SE. into a canyon; drain-
age S.

Soil, shallow sandy loam with scattered rocks and out-
crops of sandstone bedrock, on the mesa top; rocky
with large boulders on slope.

Timber, dense cedar and pinon, with a few scattered
yellow pine.

Undergrowth, medium growth of sagebrush, service and
some oak brush.

North, on E. bdy. sec. 9.

Over rolling mesa top, gentle E. and SE. slopes,
through dense timber and short undergrowth.

8.00 Leave nearly all timber, bears W. and NE.
24.27 E. of line 5 lks. dist. is the closing cor. for Colorado
surveys. Cor. stands on gentle S. slope in S. edge
of a patch of timber, bearing E. and N.

27.60 Leave timber, bears E. and W.

40.02 On gentle S. slope, 60 ft. above closing cor. of secs.
9 and 16.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in
the ground for $\frac{1}{4}$ sec. cor. of sec. 9 only, with brass
cap marked

$\frac{1}{4}$	|	
S9		Colo
U		
1922		

18 pits, 18x18x12 ins., N. and S. of post, 3 ft. dist.
and place a few stones around post.

54.42 The old 90th mile cor. of the "1878" survey.

This cor. stands on top of mesa bearing E. and W., 30
ft. above $\frac{1}{4}$ sec. cor.

Thence gradually desc. rolling N. slope of mesa.

-11-

Establishment of $\frac{1}{4}$ sec. cors. for E. bdy. of T.29 S.,
R. 26 E., on the Utah-Colorado Boundary.

Chains	
77.73	The 90th mile cor. of the "1885" survey.
80.04	The closing cor. of secs. 4 and 9, hereinafter described, 75 ft. below summit of mesa. Land, rolling mesa; exposure and drainage N. and S. from divide. Soil, sandy loam, with some clay, on clay subsoil. Timber, cedar and pinon, on southern portion. Undergrowth, medium dense black sagebrush, scattering service and oak brush.
	North, on E. bdy. of sec. 4. Over rolling mesa top, N. and NE. slopes, through dense short undergrowth and few scattered trees.
24.45	E. of line 3 lks. dist. is a closing cor. for Colorado surveys.
28.50	Enter dense timber, bears E. and S $\frac{1}{2}$ W.
40.00	On NE. slope and edge of mesa top, 90 ft. below C.C., bearing N $\frac{1}{2}$ W. and S $\frac{1}{2}$ E. Set an iron post, 3 ft. long, 1 in. dia., 4 ins. in the ground to bedrock, and in a large mound of stone, for $\frac{1}{4}$ sec. cor. of sec. 4 only, with brass cap marked
	$\frac{1}{4}$ | S4 | Colo U | 1922
	from which A pinon, 12 ins. diam., bears S. 35 $\frac{1}{2}$ $^{\circ}$ W., 46 lks. dist., marked U $\frac{1}{4}$ S4 BT A pinon, 7 ins. diam., bears N. 9 $^{\circ}$ W., 44 lks. dist., marked U $\frac{1}{4}$ S4 BT
	Desc. 150 ft. into draw.
49.80	Bottom of draw, course N. 15 $^{\circ}$ W.; continue along a broken W. slope to
71.43	Old signal on line, stands on point projects W.; desc. steep N. slope, 110 ft. to
79.58	The closing cor. of Ts. 28 and 29 S., R. 26 E., which is an iron post, 3 ins. dia., extending 8 ins. out of ground, firmly set, properly marked and witnessed as

Resurvey of West Boundary of T.29 S., R.26 E.

Chains

described by the surveyor general. Cor. stands on a gradual NW. slope, 350 ft. below $\frac{1}{4}$ sec. cor.

79.66 The 91st mile cor. of the "1885" survey.

Land, rolling mesa top and broken slope; exposure and drainage N. into La Sal Creek.

Soil, sandy loam and rocky, on clay and rock subsoil.

Timber, dense cedar and pinon and a few scattered yellow pines, on northern portion of mile.

Undergrowth, sagebrush, service and oak brush.

Resurvey of West Boundary of T. 29 S., R.26 E.

From the cor. of Ts. 28 and 29 S., Rs. 25 and 26 E., which is a sandstone, 24x16x3 ins., set in a large mound of stone, marked with 6 notches on N. and W. edges only, witnessed as described by the surveyor general. Thence,

South, on retracement line, bet. secs. 1 and 6.

Over broken and rolling land, through dense timber and medium dense undergrowth; gently asc. along E. slope from cor. in head of small depression.

3.60 Top of ascent on E. slope, 15 ft. above cor.; desc. SE. slope, 75 ft. to

11.30 Gulch, course NE.; asc. steep, broken N. slope, entering scattering timber.

20.70 Top of steep ascent from gulch, 150 ft. above bottom, bears E. and W.; thence over rolling mesa land, re-enter dense timber.

26.00 Leave dense, enter scattering timber, bears NW. and SE.

26.60 Old road, bears NW. and SE.

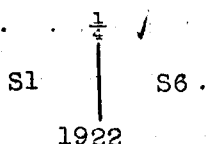
35.40 Ridge of mesa, 50 ft. above edge, bears SE. and W.; leave nearly all timber; desc. rolling S. slope.

39.81 Fall 12 lks. W. of the $\frac{1}{4}$ sec. cor., which is sandstone, 18x12x3 ins., marked $\frac{1}{4}$ on one face; stone broken in two, a portion still in the ground; unwitnessed.

I reestablish cor. at same point as follows:

Chains

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked



and raise a small mound of stone, W. of post.

Note: Only a few stones available.

The true course and dist. of this $\frac{1}{2}$ mile therefore is S. $0^{\circ}10'$ E., 39.81 chs.

Offset over cor. and continue South.

- 57.50 Enter dense timber, bears NE. and SW.
- 60.60 Leave timber, enter open swale, bears NE. and SW.
- 65.70 Base of swale, 110 ft. below $\frac{1}{4}$ sec. cor., drains SW., and heads NE. about 4 chs. dist.
- 67.20 Enter dense timber, bears NE. and SW.
- 70.60 Raise, 10 ft. above swale, bears NE. and SW.
- 79.79 Fall 13 lks. W. of the cor. of secs. 1-6-7 and 12, which is sandstone, 14x12x4 ins., above mound of stone, firmly set, marked with 1 notch on N. and 5 notches on S. edge, witnessed as follows:
- A cedar, 12 ins.diam., bears N. $36^{\circ}E.$, 10 lks. dist., marked T29S R26E S6
 - A cedar, 12 ins.diam., bears S. $67^{\circ}E.$, 23 lks. dist., marked T29S R (other marks not visible)
 - A cedar, 20 ins.diam., bears S. $69^{\circ}W.$, 17 lks. dist., marked T29S R25E
- Cor. stands on rocky S. slope, 150 ft. below $\frac{1}{4}$ sec. cor.
- True course and dist. of S. $\frac{1}{2}$ mile therefore is S. $0^{\circ}11'$ E., 39.98 chs.
- Land, rolling and broken mesa; exposure and drainage NE. and SW.
- Soil, shallow sandy loam, gravelly and rocky, on clay or rock subsoil; 2nd to 3rd rates.
- Timber, dense and scattering cedar and pinon, on most of mile.
- Undergrowth, medium growth of sagebrush, service and oak brush.

Resurvey of West Boundary, T.29 S., R.23 E.

Chains	
	South, on retracement line, bet. secs. 7 and 12.
	Over rolling land, through dense timber and dense short undergrowth; desc. S. slope, 30 ft. to
1.20	Gulch, course W.; leave dense, continue through scattering timber, gradually ascending rolling NW. and N. slopes.
40.15	Fall 6 lks. E. of the $\frac{1}{4}$ sec. cor., which is a sandstone, extending 12x12x3 ins., above ground, firmly set, marked $\frac{1}{4}$ on W. face, unwitnessed. I reestablish cor. at same point as follows: Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in. the ground, alongside of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked
	<div style="text-align: center;"> $\frac{1}{4}$ S12 | S7 1922 </div>
	Dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist. Cor. stands on rolling ridge, 90 ft. above gulch, bears NE. and S. 70° W.;
	True course and dist. of this $\frac{1}{2}$ mile therefore is S. 0° 05' W., 40.15 chs.
	Offset over cor. and continue South.
	Gradually descending rolling S. slope.
45.00	Enter dense timber, bears NF. and SW.
60.75	Begin steeper descent over SE. slope.
72.20	Depression on E. slope, 135 ft. below $\frac{1}{4}$ sec. cor., drains SE.; gradually asc. 40 ft. to
80.31	Fall 85 lks. W. of the cor. of secs. 7-12-13 and 18, which is a sandstone, 12x16x5 ins. above ground, firmly set, marked with 4 notches on S. and 2 notches on N. edge, witnessed by 2 bearing trees. The trees are dead and poorly marked, therefore I take new trees as follows: A cedar, 6 ins. diam., bears N. 61° E., 19 lks. dist., marked T29S R26E S7 BT A pinon, 6 ins. diam., bears S. 83° E., 17 lks. dist., marked T29S R26E S18 BT A cedar, 9 ins. diam., bears S. 41½° W., 46 lks. dist., marked T29S R25E S13 BT

Resurvey of West Boundary, T.29 S., R.26 E.

Chains

A pinon, 10 ins. diam., bears N. 24° W., 28 lks.
dist., marked T29S R25E S12 BT

True course and dist. of S. $\frac{1}{2}$ mile therefore is
S. 1° 13' E., 40.17 chs.

Land, rolling mesa with NW. and SE. exposures; drainage
SW. and S.

Soil, sandy and gravelly loam, mixed with some scattered
rock, on clay and rock subsoil; 2nd and 3rd rates.

Timber, cedar and pinon, on portions of mile.

Undergrowth, sagebrush, service and oak brush.

In the restoration of cor. of T.29 S., R.25 and 26 E.,
by T.C. Rathbone, in 1916, the course and distance
bet. said tp. cor. and the above sec. cor. was shown
to be S. 0° 42' W., 319.70 chs. Therefore from the cor.
of secs. 7-12-13 and 18,

S. 0° 42' W., on retracement line, making careful searches
and setting temp. points at regular intervals of
40.00 chs. for $\frac{1}{4}$ sec. and sec. cors., and at

319.72 Fall 40 lks. W. of the cor. of T. 29 S., Rs. 25 and 26 E.,
hereinafter described. The true bearing of line bet.
the above tp. cor. and cor. of secs. 7-12-13 and 18
therefore is S. 0° 38' W., and proportionate dist. of
each mile is 79.93 chs.

Return to the cor. of secs. 7-12-13 and 18, thence
S. 0° 38' W., on resurvey line, bet. secs. 13 and 18.
Over rolling and broken land, through dense timber
and scattering undergrowth; slight descent over SE.
slope.

6.40 Begin steeper descent into draw.

14.60 Small branch draw, 115 ft. below sec. cor., course E.
for about 8 chs. to canyon, course S.; asc. NE. slope.

20.00 Top of high point of mesa, 60 ft. above draw, projects E.
Desc. rocky SE. slope, 65 ft. to

25.70 Rim of mesa and top of 30 ft. sandstone ledges; bears

Resurvey of West Boundary, T.29 S., R.26 E.

Chains

NE. and SW.; desc. abrupt, rocky SE. slope of mesa break, 100 ft. to

28.90 Base of mesa slope, bears NE. and SW.; proceed along gentle E. slope at base of mesa slope.

32.00 Bottom of canyon drains S. bears E. of line 4 chs. dist.

39.96½ On gentle E. slope, 175 ft. below high point.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground for ¼ sec. cor., with brass cap marked

$\frac{1}{4}$
 S13 | S18
 1922

from which

A pinon, 6 ins.diam., bears S.65°E., 86 lks.
dist., marked ¼ S18 BT

A pinon, 8 ins.diam., bears N.73°W., 29 lks.
dist., marked ¼ S13 BT

47.30 Begin abrupt ascent over NE. slope of mesa break, bears NW. and SW.

62.30 Rim of mesa, 155 ft. above ¼ sec. cor., bears NW. and SE.; gradually desc. along top, near E. edge, 65 ft.

79.92 Proportionate point.

Set an iron post, 3 ft. long, 2 ins. dia., 18 ins. in the ground to bedrock, and in a large mound of stone, for cor. of secs. 13-18-19 and 24, with brass cap marked

T29S
 R25E | R26E
 S13 | S18
 S24 | S19
 1922

from which

A pinon, 10 ins.diam., bears N.45½°E., 56 lks.
dist., marked T29S R26E S18 BT

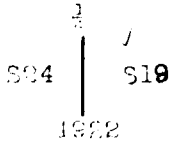
A pinon, 12 ins.diam., bears S.86¼°E., 68 lks.
dist., marked T29S R26E S19 BT

A cedar, 16 ins.diam., bears S.74°W., 64 lks.
dist., marked T29S R25E S24 BT

A pinon, 10 ins.diam., bears N.10°W., 29 lks.
dist., marked T29S R25E S13 BT

Cor. stands on gradual E. slope about 1¼ chs. from rim to E.

Resurvey of West Boundary, T.29 S., R.26 E.

Chains	
	Land, rolling and broken; exposure E.; drainage S. Soil, shallow sandy loam and rocky, sandstone outcrops and boulders; 3rd and 4th rates. Timber, dense cedar and pinon; few scattered yellow pines on N. $\frac{1}{2}$ mile. Undergrowth, scattered sagebrush, service and oak brush.
	S. $0^{\circ} 38'$ W., resurveying bet. secs. 19 and 24. Over rolling and broken land; through dense timber and scattering undergrowth; gradually descending along top of mesa.
15.60	Rocky point 50 ft. high, bears E. of line 2 chs. dist.
39.96	Proportionate point. Set an iron post, 3 ft. long, 1 in. dia., 8 ins. in the ground to bedrock, and in a large mound of stone, for $\frac{1}{2}$ sec. cor., with brass cap marked
	<div style="text-align: center;">  </div>
	from which A pinon, 2 ins. diam., bears $N. 14^{\circ} E.$, 18 lks. dist., marked "ST" only. A cedar, 10 ins. diam., bears $N. 75^{\circ} W.$, 16 lks. dist., marked "S24 ST"
	Cor. stands on mesa top, 120 ft. below sec. cor. and 20% of E. rim bearing $N. 10^{\circ} E.$ and $S. 10^{\circ} E.$
48.50	Rim of the mesa, bears $S. 60^{\circ} W.$ and NE.; desc. abrupt. rocky SW. slope, 185 ft. to
53.00	Small gully, course SE. for about 4 chs. to canyon, and heads NW. 10 chs.; asc. along rocky E. slope of mesa.
75.00	Rim of mesa, 155 ft. above gully, bears $N. 30^{\circ} W.$ and $S. 20^{\circ} E.$; proceed along top.
79.92	Proportionate point. Set an iron post, 3 ft. long, 2 ins. dia., over cross (X) cut in bedrock, surrounded by a large mound of stone, with 5 ft. base, for cor. of secs. 19-24-25 and

Resurvey of West Boundary, T.29 S.7, R.26 E.

Chains

30, with brass cap marked

T29S ✓	
R25E	R26E
S24	S19
S25	S30

1922

from which

- A pinon, 8 ins.diam., bears N.22 $\frac{1}{2}$ °E., 113 lks. /
dist., marked T29S R26E S19 BT
- A pinon, 9 ins.diam., bears S.48 $\frac{1}{2}$ °E., 24 lks. /
dist., marked T29S R26E S30 BT
- A pinon, 12 ins.diam., bears S.16°W., 38 lks. /
dist., marked T29S R25E S25 BT
- A pinon, 7 ins.diam., bears N.44°W., 43 lks. /
dist., marked T29S R25E S24 BT

Cor. stands on mesa 20 lks. W. of the rim.

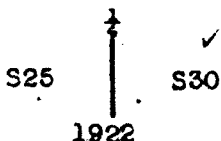
Land. rolling and broken with general E. exposure into
canyon; drainage S.

Soil, shallow sandy loam and rocky; 3 and 4th rates.

Timber, dense pinon and cedar.

Undergrowth, scattering sagebrush, service and oak brush.

S. 0° 38' W., resurveying bet. secs. 25 and 30.

Over rolling and broken land, through dense timber and
scattering undergrowth: asc. along E. slope, 25 ft.5.80 Ridge bears NW. and SE.; desc. broken and rocky S.
and SW. slope, 165 ft. to39.26 $\frac{1}{2}$ Proportionate point. On gradual SW. slope.Set an iron post, 3 ft. long, 1 in. dia., 4 ins. in the
ground to bedrock, and in a large mound of stone, for
1 sec. cor., with brass cap marked

from which

- A cedar, 9 ins.diam., bears N.57°E., 76 lks. /
dist., marked $\frac{1}{2}$ S30 BT
- A cedar, 4 ins.diam., bears N.6°W., 50 lks. /
dist., marked $\frac{1}{2}$ S25 BT

42.50 Bottom of rocky, shallow draw, 10 ft. below $\frac{1}{2}$ sec. cor.,
course SE.; asc. rocky NE. slope, 65 ft. to

50.25 Top of rocky knoll or point from E.; desc. rocky SE.

•

01000, 100 51, 10

30.00 Shallow ravine, course S.E. and N.E. about 1/2 mi. long.
W. slope, 12 ft. to

79.62 Per collimate point, a small 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 84

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1. *Journal of the American Medical Association*, 1997; 277: 1033-1036.

10. *Chlorophyll *a** and *Chlorophyll *b** were determined by the method of Arar and Collins (1971).

1. *Journal of the American Medical Association*, 1997; 277: 1033-1036.

Chains

52.40

from which

A pinon, 8 ins. diam., bears S. 15° E., 65 lks.
dist., marked $\frac{1}{4}$ S31 BT
A pinon, 10 ins. diam., bears S. 82° W., 65 lks.
dist., marked $\frac{1}{4}$ S36 BT

52.40 Gulch, 150 ft. below $\frac{1}{4}$ sec. cor., course S. 30° E.; asc:
rocky NE. slope, 110 ft. to

72.30 Rim of gulch, bears N. 30° W. and S. 30° E.; continue along
rolling E. slope to

79.92 The cor. of T. 29 S., R. 25 and 26 E., which is an
iron post, 3 ins. dia., firmly set in, and extending
10 ins. above, a mound of stone, marked as follows:

T29S	
R25E	R26E
S36	S31
T30S R26E	
S6	
1916	

and properly witnessed as described by the surveyor
general.

Land, broken; general exposure and drainage S.

Soil, rocky in form of sandstone bedrock and outcrops,
with some shallow, loose sandy loam; 3rd and 4th rates.

Timber, dense pinon and cedar.

Undergrowth, scattered sage, service and oak brush.

Establishment of $\frac{1}{4}$ sec. cors. on N. bdy.,

of T. 29 S., R. 26 E.

From the cor. of Ts. 28 and 29 S., Rs. 25 and 26 E.,
heretofore described.

East, along N. bdy. of sec. 6.

37.62 Set an iron post, 3 ft. long, 1 in. dia., 4 ins. in
the ground to bedrock, and in a large mound of stone,
for $\frac{1}{4}$ sec. cor. of sec. 6, T. 29 S., R. 26 E., with brass
cap marked

$\frac{1}{4}$ S6

1922

from which

Establishment of $\frac{1}{4}$ sec. cora. on N. bdy., T.29 S., R.26 E.

Chains

A pinon, 10 ins.diam., bears S.67°E., 12 lks.
dist., marked $\frac{1}{4}$ S6 BT
A cedar, 6 ins.diam., bears S.79 $\frac{1}{2}$ °W., 50 lks.
dist., marked $\frac{1}{4}$ S6 BT

Cor. stands on gentle W. slope.

40.00 The $\frac{1}{4}$ sec. cor. of secs. 6 and 31, which is an iron post, 1 in. dia., firmly set in ground and a mound of stone, marked and witnessed as described by the surveyor general. I deface marks on post and bearing tree pertaining to sec. 6, leaving cor. for sec. 31, T.28 S., R. 26 E. only.

77.62 The closing cor. of secs. 5 and 6, hereinafter described.

East, along N. bdy. of sec. 5.

2.38 The cor. of secs. 31 and 32, hereinafter described.

39.90 Point midway bet. the closing cor. of secs. 4 and 5, and secs. 5 and 6.

Set an iron post, 3 ft. long, 1 in. dia., 8 lbs. in the ground to bedrock, and in a large mound of stone, for $\frac{1}{4}$ sec. cor., of sec. 5, T.29 S., R.26 E., with brass cap marked

2.38
1922

from which

A pinon, 10 ins.diam., bears S.67°E., 21 lks.
dist., marked $\frac{1}{4}$ S5 BT
A cedar, 7 ins.diam., bears S.43°W., 28 lks.
dist., marked $\frac{1}{4}$ S5 BT

42.38 The $\frac{1}{4}$ sec. cor. of secs. 5 and 32, which is an iron post, 1 in. dia., firmly set in ground and a mound of stone, properly marked and witnessed as described by the surveyor general. I deface marks on post and bearing tree that pertain to sec. 5, leaving same for the $\frac{1}{4}$ sec. cor. of sec. 32, T.28 S., R.26 E. only.

79.80 The closing cor. of secs. 4 and 5, hereinafter described.

Establishment of $\frac{1}{4}$ sec. cor. on N. bdy., T. 29 S., R. 26 E.

Chains

East, along N. bdy. sec. 4.

2.58 The cor. of secs. 32 and 33, hereinafter described.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. of sec. 4, T. 29 S., R. 26 E., with brass cap marked

$\frac{1}{4}$ S4
1922

from which

A pinon, 6 ins. diam., bears S. $10\frac{1}{2}^{\circ}$ W., 17 lks. ✓
dist., marked $\frac{1}{4}$ S4 BT

A cedar, 10 ins. diam., bears S. $54\frac{1}{2}^{\circ}$ W., 36 lks. ✓
dist., marked $\frac{1}{4}$ S4 BT

42.28 The closing cor. of Ts. 28 and 29 S., R. 26 E. on the ✓
Utah-Colorado state boundary, heretofore described.

Subdivision of T. 29 S., R. 26 E.

From the cor. of secs. 31 and 32 on S. bdy. of tp., which is an iron post, 2 ins. dia., extending 10 ins. above, and firmly set in a mound of stone, properly marked and witnessed as described by the surveyor general. Thence,

North, on sectional guide meridian, bet. secs. 31 and 32. Over broken mesa top, through dense timber and scattered undergrowth; gradually asc. rocky S. slope, 75 ft. to

7.30 Top of raise on mesa, bears E. and slopes off to W.; continue along a broken W. slope.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 4 ins. in ground to bedrock, and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S31 | S32
1922

from which

A pinon, 8 ins. diam., bears N. 87° E., 112 lks.
dist., marked $\frac{1}{4}$ S32 BT

A pinon, 6 ins. diam., bears S. 78° W., 15 lks.
dist., marked $\frac{1}{4}$ S31 BT ✓

Cor. stands on gentle SW., 170 ft. above sec. cor.

Subdivision of T. 29 S., R. 26 E.

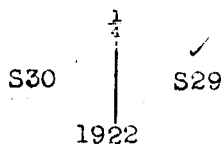
Chains							
	and 50 lks. lks. E. of mesa rim.						
41.90	Top of a 100 ft. sandstone ledge on brink of mesa top, bears S, 15° W. and N, 20° E.; desc. abruptly over rocky nearly W. slope, 110 ft. to						
48.00	Base of the abrupt mesa slope, bears with top: continue gradual descent along broken and rocky W. slope, 75 ft.						
60.00	On gradual W. slope. Set an iron post, 3 ft. long, 2 ins. dia., 4 ins. in the ground to bedrock, and in a large mound of stone, for. cor. of secs. 29-30-31 and 32, with brass cap marked						
	<table border="1"> <tr> <td>T293</td><td>R26E</td></tr> <tr> <td>S30</td><td>S29</td></tr> <tr> <td>S31</td><td>S32</td></tr> </table>	T293	R26E	S30	S29	S31	S32
T293	R26E						
S30	S29						
S31	S32						
	1922						
	from which						
	<p>A pinon, 10 ins. diam., bears N. 10° E., 52 lks. dist., marked T293 R26E S30 52</p> <p>A pinon, 8 ins. diam., bears S. 81° E., 41 lks. dist., marked T293 R26E S31 41</p> <p>A cedar, 14 ins. diam., bears S. 50° W., 31 lks. dist., marked T293 R26E S31 31</p> <p>A pinon, 10 ins. diam., bears N. 70° W., 58 lks. dist., marked T293 R26E S31 58</p>						
	Land, broken mesa top and slopes: western exposure: drainage S.						
	Soil, on the mesa top, very shallow, loose sandy loam, lying on sandstone bedrock: on slopes, rocky, clay and clay loam, surface strewn with large detached boulders; 3rd and 4th rates.						
	Timber, dense scrub cedar and pinon.						
	Undergrowth, scattering service berry brush.						
	West, on random line, bet. secs. 30 and 31.						
40.00	Set temp. 1/2 sec. cor.						
79.13	Intersect W. bay. of tp., 9 lks. N. of the cor. of secs. 25-30-31 and 36, heretofore described. Thence, N. 89° 56' E., on true line bet. secs. 30 and 31. Over broken land, through dense timber and scattering undergrowth; ascending over broken W. slope, 185 ft. to						

Chains	
21.80	Spur, projects SW.; continue gradual ascent over S. and SW. slopes, 55 ft. to
34.60	Ridge, bears N.30°W. and S.30°E.; desc. gradual E. slope.
38.80	Begin abrupt descent over E. slope.
39.13	On abrupt E. slope, 100 ft. below ridge. Set an iron post, 3 ft. long, 1 in. dia., 6 ins. in ground to bedrock, and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked
	S30 $\frac{1}{4}$ ——— S31 1922
	from which
	A pinon, 3 ins. diam., bears S.50 $\frac{1}{2}$ °E., 16 lks. dist., marked BTS (too scrubby)
	A pinon, 4 ins. diam., bears N.33°E., 25 lks. dist., marked $\frac{1}{4}$ S30 BT
41.20	A 50 ft. sandstone ledge facing E., bears N.15°W. and S.15°E.
49.80	Base of abrupt descent, bears N. and S.
50.80	Wash, 30 lks. wide, 6 ft. deep, in canyon, 310 ft. below $\frac{1}{4}$ sec. cor., course S.15°E. Horse Thief Canyon
51.25	Begin gradual ascent over broken W. slope, 135 ft. to
79.13	The cor. of secs. 29-30-31 and 32. Land, rough and broken; general southern exposure and drainage. Soil, rocky with shallow, loose sandy loam and clay; surface on portions of mile strewn with large boulders; 3rd and 4th rates. Timber, dense cedar and pinon. Undergrowth, scattering service and sage brush.
	North, on sectional guide meridian, bet. secs. 29 & 30. Over broken land facing W., through dense timber and scattering undergrowth; gradually descending along rocky and broken W. slope.
11.60	Base of descent and small draw, 10 ft. below sec. cor.,

Subdivision of T. 29 S., R. 26 E.

Chains

40.00 course SW.; thence gradually ascending along W. slope.
Set an iron post, 3 ft. long, 1 in. dia., in crevice
of three large sandstone boulders, and in a mound of
stone, for $\frac{1}{4}$ sec. cor., with brass cap marked



from which

- A pinon, 6 ins.diam., bears N. 82°E., 49 lks.
dist., marked $\frac{1}{4}$ S29 RT ✓
- A pinon, 8 ins.diam., bears S. 26 $\frac{1}{2}$ °W., 89 lks.
dist., marked $\frac{1}{4}$ S30 BT ✓

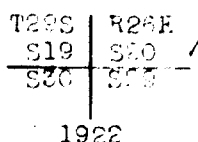
Cor. stands on gradual S. slope, 155 ft. above draw.

40.25 Large black boulder, 14x14x18 ft. on line.

66.50 Top of ascent along W. slope, 55ft. above $\frac{1}{4}$ sec. cor.,
bears SE. about 8 chs. dist. to point of mesa, and
slopes off to SW.; desc. along broken W. slope, 60 ft.

80.00 On NW. slope.

Set an iron post, 3 ft. long, 2 ins. dia., 20 ins.
in ground to bedrock, and in a large mound of stone,
for cor. of secs. 19-20-29 and 30, with brass cap
marked



from which

- A cedar, 14 ins.diam., bears N. 62 $\frac{1}{2}$ °E., 31 lks.
dist., marked T29S R26E S20 RT ✓
- A cedar, 12 ins.diam., bears S. 61°E., 40 lks.
dist., marked T29S R26E S29 RT ✓
- A pinon, 14 ins.diam., bears S. 52°W., 64 lks.
dist., marked T29S R26E S30 RT ✓
- A pinon, 8 ins.diam., bears N. 22 $\frac{1}{2}$ °W., 49 lks.
dist., marked T29S R26E S19 RT ✓

Land, broken having a general W. exposure and drainage
into canyon, course S.

Soil, rocky and clay; surface strewn with large boulders;
sandstone formation: 3rd and 4th rates.

Timber, dense cedar and pinon.

Undergrowth, scattering service and oak brush.

Subdivision of T. 29 S., R. 26 E.

Chains	
	S. $89^{\circ}56'$ W., on random line bet. secs. 19 and 30.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
78.24	Intersect W. bdy. of tp., 12 lks. N. of the cor. of secs. 19-24-25 and 30, heretofore described. Thence, N. $89^{\circ}51'$ E., on true line bet. secs. 19 and 30. Over broken and rolling land, through dense timber and scattering undergrowth;
0.25	Top of a 50 ft. sandstone ledge on E. rim of mesa top, bears N. and S. 30° E.; desc. abrupt, rocky E. slope.
8.05	Wash, 25 lks. wide, 5 ft. deep, in bottom of canyon, 260 ft. below sec. cor., course SE.; asc. broken S. W. slope, 90 ft. to
13.00	Top of ascent on S. slope, bears N. 10° W. about 10 chs. to S. end of high butte; desc. along S. slope.
38.24	On SE. slope, 85 ft. below top ascent. Set an iron post, 3 ft. long, 1 in. dia., 16 ins. in the ground to bedrock, and in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked <div style="text-align: center;">$\frac{1}{4}$ $\frac{S19}{S30}$ 1922</div>
	from which A cedar, 12 ins. diam., bears S. $87\frac{1}{2}^{\circ}$ W., 47 lks. dist., marked $\frac{1}{4}$ S30 BT A pinon, 5 ins. diam., bears N. $10\frac{3}{4}^{\circ}$ W., 33 lks. dist., marked $\frac{1}{4}$ S19 BT ✓
45.10	Base of descent, 60 ft. below $\frac{1}{4}$ sec. cor., bears N. and S.; proceed across hollow bottom, less dense timber.
47.10	Wash, 20 lks. wide, 10 ft. deep, course S. 15° E.
52.45	The main wash, 30 lks. wide, 12 ft. deep, course S. 10° W.
54.60	Leave hollow bottom, begin gradual ascent over broken W. and S. W. slopes and enter heavier timber, bears N. and S.
71.60	Small draw, 20 ft. deep, course S. 80° W.
78.24	The cor. of secs. 19-20-29 and 30, 110 ft. above hollow. Land, broken and rolling; E. and W. exposures; drainage S.

Subdivision of T. 29 S., R. 26 E.

Chains

Soil, rocky, clay and shallow sandy loam; surface on portions of mile strewn with large boulders; 2nd to 4th rates.

Timber, dense cedar and pinon, except in hollow bottom where it is scattering.

Undergrowth, scattering sagebrush and service brush.

North, on sectional guide meridian, bet. secs. 19 and 20.

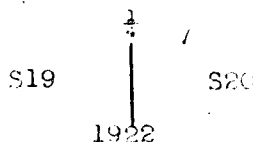
Over broken land, through dense timber and scattering undergrowth: gradually descending along broken W. slope.

0.70 Small draw, 15 ft. below sec. cor., course S.80°W. from S.80°E.; continue descent of 90 ft. to

32.70 Wash, 30 lks. wide, 5 ft. deep, in hollow, course SW.; gradually asc. broken S. slope.

40.00 On S. slope, 30 ft. above wash.

Set an iron post, 3 ft. long, 1 in. dia., 8 ins. in the ground to bedrock, and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked



from which

A pinon, 8 ins. diam., bears N.17½°E., 35 lks. dist., marked $\frac{1}{4}$ S20 BT

A cedar, 6 ins. diam., bears N.61°W., 20 lks. dist., marked $\frac{1}{4}$ S19 BT

Continue over broken S. slope towards mesa rim.

77.25 Base of mesa break, bears N.80°E. and W.; asc. abruptly over ledgy S. face, 120 ft. to cor.

80.00 True point for sec. cor. falls on percipient, ledgy S. face of mesa break where it is impracticable to set cor., therefore at

80.20 Cut cross (X) for cor. point, over which set an iron post, 3 ft. long, 2 ins. dia., 30 ins. in a large mound of stone, for witness cor. to the cor. of secs. 17-18-19 and 20, with brass cap marked

Subdivision of T. 29 S., R. 26 E.

Chains

T29S	R26E	✓
S18	S17	
S19	S20	
WC		
1922		

from which

A pinon, 14 ins.diam., bears N.70°E., 23 lks.

dist., marked WC T29S R26E S17 BT ✓

A cedar, 10 ins.diam., bears N.37°W., 29 lks.

dist., marked WC T29S R26E S18 BT

A cross X with letters BO, bears S.67°W., 17 lks.

dist., marked on top surface of ledge.

Cor. stands 10 lks. N. of the rim of mesa top, a 70 ft.

ledge, and 380 ft. above $\frac{1}{4}$ sec. cor. Rim bears N.80°E.

and S.80°W.

Land, broken, facing W. and S.; drainage SW.

Soil, rocky, clay and some shallow sandy loam; surface

strewn with large black sandstone boulders on most of

mile; 3rd and 4th rates.

Timber, dense cedar and pinon.

Undergrowth, scattering sage, service and oak brush.

S. 89°51' W., on random line bet. secs. 18 and 19, from true cor. point.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

77.35 Intersect W. bdy. of tp., 18 lks. N. of the cor. of secs. 13-19-19 and 24, heretofore described. Thence, N. 89°43' E., on true line bet. secs. 18 and 19.

Over rough and broken land, through dense timber and short, scattered undergrowth; over rolling top of mesa, slight E. slope to

1.45 Top of a 25 ft. sandstone ledge facing E., on E. rim of mesa top, bears N. and S.; desc. abrupt, rocky E. break, 280 ft. to

12.50 Wash, 30 lks. wide, 4 ft. deep, in canyon, course SE.

13.50 Recross wash, course NE.

15.50 Recross same, course S.30°E.

20.60 Begin ascent over rocky SW. slope, 135 ft. to

31.00 Spur, slopes off S., and bears N. about 10 chs. to mesa;

Subdivision of T. 29 S., R. 26 E.

Chains	
	descend rocky E. slope.
33.80	Very small seep, poor water, on line.
35.50	Draw, 50 ft. below spur, course S7.; asc. over abrupt, broken SW. slope.
37.35	On SW. slope; 50 ft. above draw.
	Set an iron post, 3 ft. long, 1 1/2 in. dia., 16 ins. in the ground to bedrock, and in a mound of stone, for 1/4 sec. cor., with brass cap marked
	<div style="text-align: center;"> S18 1/4 ————— S19 1922 </div>
	from which
	A pinon, 8 ins. diam., bears N. 28 1/4° E., 21 lks. ✓ dist., marked 1/4 S18 BT
	A pinon, 6 ins. diam., bears S. 37° W., 20 lks. ✓ dist., marked 1/4 S19 BT
	Continue ascent along broken SW. slope.
53.75	Rim of mesa top, 165 ft. above 1/4 sec. cor., bears N. 60° W. and S. 80° E.; gradually asc. along top, near S. edge.
56.70	Small draw, 20 ft. deep, course SW.
77.35	The true point for cor. of secs. 17-18-19 and 20, which is 20 lks. S. of the witness cor.; 50 ft. above rim at 53.75 chs.
	Land, rough and broken slopes of mesa and rolling top; general southern exposure and drainage.
	Soil, rocky with clay and some shallow sandy loam: surface strewn with large boulders on most of mile, under mesa top; 3rd and 4th rates.
	Timber, dense cedar and pinon, with some scattering yellow pines on E. 1/2 mile.
	Undergrowth, scattering sage, service and oak brush.
	<hr/> North, on sectional guide meridian, bet. secs. 17 and 18, counting dist. from true cor. point.
0.20	The witness cor.
	Over gently rolling mesa top, through dense timber and

Subdivision of T. 29 S., R. 26 E.

Chains

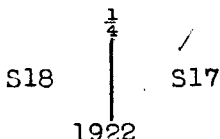
scattering undergrowth; gently asc. over SE. exposure.

25.00 Slope changes to 7.

38.00 Enter open sagebrush swale, bears N.30°E. and SW.

40.00 In open swale, 75 ft. above sec. cor.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked



from which

A pinon, 10 ins.diam., bears S.2 $\frac{1}{2}$ °E., 223 lks. dist., marked $\frac{1}{4}$ S17 BT

A pinon, 6 ins.diam., bears N.7°W., 190 lks. dist., marked $\frac{1}{4}$ S18 BT ✓

40.30 Base of swale, drains S.30°W.

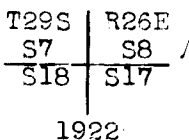
42.00 Leave open swale, bearing N.30°E. and S.30°W.; thence gradually asc. S. exposure, through dense timber.

57.00 Low raise, bears N.30°E. and S.30°W.; thence over SW. slope.

70.50 Cross head of small open swale, drains SW.

80.00 On S. exposure, 85 ft. above $\frac{1}{4}$ sec. cor.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 7-8-17 and 18, with brass cap marked



from which

A pinon, 8 ins.diam., bears N.30°E., 34 lks. dist., marked T29S R26S S8 BT ✓

A pinon, 6 ins.diam., bears S.50°E., 24 lks. dist., marked T29S R26E S17 BT ✓

A cedar, 8 ins.diam., bears S.26°W., 28 lks. dist., marked T29S R26E S18 BT ✓

A pinon, 8 ins.diam., bears N.76°W., 24 lks. dist., marked T29S R26E S7 BT ✓

Land, gently rolling mesa top; general southern exposure and drainage.

Soil, sandy and gravelly loam, mixed with some rock, on rock or hard clay subsoil; 2nd rate.

Chains

Timber, dense cedar and pinon.

Undergrowth, scattering sagebrush and service brush.

S. $89^{\circ}43'$ W., on random line bet. secs. 7 and 18.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

76.56 Intersect W. bdy. of tp., 8 lks. N. of the cor. of secs. 7-12-13 and 18, heretofore described. Thence, N. $89^{\circ}39'$ E., on true line bet. secs. 7 and 18.

Over rolling and broken land, through dense timber and scattering undergrowth; gradually desc. along mesa top.

3.80 Edge of mesa and E. rim of canyon, bears N. and S.; desc. abrupt, rocky E. slope, 180 ft. to

10.00 Base of slope, enter canyon bottom, bears N. and S.

13.80 Wash, 40 lks. wide, 20 ft. deep, in canyon, course S. 15° W.; dense sage and oak brush in bottom of canyon.

16.50 Begin abrupt ascent over rocky W. slope, 165 ft. to

24.20 W. rim of canyon, bears NE. and SW.; thence over rolling mesa top, slight W. exposure.

36.56 On gentle NW. exposure, 35 ft. above rim.

Set an iron post, 3 ft. long, $\frac{1}{4}$ in. dia., 6 ins. in the ground to underlying rock, and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked

S7 /

$\frac{1}{4}$ ———

S18

1922.

from which

A pinon, 6 ins. diam., bears S. 59° E., 20 lks. dist., marked $\frac{1}{4}$ S18 BT ✓

A pinon, 10 ins. diam., bears N. 61° W., 23 lks. dist., marked $\frac{1}{4}$ S7 BT ✓

57.60 Leave dense, enter very scattered timber, bears N. and S.

65.00 Slope changes from W. to S., bears NE. and SW.

66.50 Leave scattered, enter dense timber, bears N. 70° E. and SW.

76.56 The cor. of secs. 7-8-17 and 18, 55 ft. above $\frac{1}{4}$ sec. cor. Land, rolling mesa top and broken slopes; general

Subdivision of T. 29 S., R. 26 E.

Chains

southern exposure and drainage.

Soil, on mesa top, sandy and gravelly loam, with some scattered rock, on hardpan and rock subsoil: on canyon slopes, rocky and clay, with surface strewn with boulders; 2nd to 4th rates.

Timber, dense cedar and pinon.

Undergrowth, scattering to medium growth of sage, service and oak brush.

North, on sectional guide meridian, bet. secs. 7 and 8. Over rolling mesa land, through dense timber and medium dense short undergrowth; gently asc. along W. exposure.

11.00 Slope changes to rolling NW.; leave dense, enter scattering timber and heavier undergrowth.

38.80 Swale, 30 ft. below sec. cor., drains W.

40.00 On gentle W. slope.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{2}$
 S7 | S8
 1922

from which

A pinon, 6 ins. diam., bears N. 45° E., 232 lks.
dist., marked $\frac{1}{4}$ S8 RT ✓

A pinon, 10 ins. diam., bears S. 68° W., 105 lks.
dist., marked $\frac{1}{4}$ S7 BT ✓

45.00 Leave timber, bears NE. and SW.

46.40 Wash, 20 lks. wide, 4 ft. deep, in ravine, 15 ft. below $\frac{1}{4}$ sec. cor., course SW.; asc. rolling SE. and S. slope.

80.00 On slight S. exposure, 100 ft. above wash.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 5-6-7 and 8, with brass cap marked

T29S | R26E
 S6 | S5 ✓
 S7 | S8
 1922

from which

Subdivision of T. 29 S., R. 26 E.

Chains

A lone yellow pine, 24 ins. diam., bears S. $54^{\circ}42'$ E.,
6.86 chs. dist., marked T29S R26E S8 BT
and dig pits, 18x18x12 ins., NE., SE., SW., and NW.,
of post, 3 ft. dist.

Note: N. $70^{\circ}9'$ E., 2.14 chs. dist., I find a sandstone,
22x12x4 ins., plainly marked with 5 grooves on S. and E.
faces, firmly set in ground, unwitnessed. I remove
stone and place alongside of iron post.

Land, rolling mesa top; general SW. exposure and
drainage.

Soil, sandy and gravelly loam, mixed with some clay and
scattered rocks: 1st and 2nd rates.

Timber, cedar and pinon, on portions of mile.

Undergrowth, medium dense sagebrush, with scattered
service and oak brush.

S. $89^{\circ}53'$ W., (computed course) on random line bet.
secs. 6 and 7.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

77.43 Intersect T. bdy. of tp., 5 lks. N. of the cor. of secs.
1-6-7 and 12, heretofore described. Thence,
N. $89^{\circ}51'$ E., on true line bet. secs. 6 and 7.

Over rolling land, through dense timber and short
undergrowth; gradually ascending along W. side of
ravine.

3.00 Leave dense, enter scattering timber, bears NE. and SW.

15.00 E. end of plowed ground, about 10 acres, bears S. of
line about 5 chs. dist.

16.50 Enter dense timber, bears NW. and S. 70° E.

26.70 Ravine, 20 ft. deep, course SW. for 3 chs. thence nearly
W.; asc. W. slope.

35.00 Leave dense timber, bears NE. and SW.

37.43 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in
ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

Subdivision of T. 29 S., R. 28 E.

Chains

S6 ✓
 $\frac{1}{4}$ ———
 S7
 1922

from which

A yellow pine, 16 ins. diam., bears S. $73\frac{1}{2}^{\circ}$ W., 276
 lks., dist., marked $\frac{1}{4}$ S7 BT ✓
 A pinon, 8 ins. diam., bears N. $50\frac{1}{2}^{\circ}$ W., 138 lks.
 dist., marked $\frac{1}{4}$ S6 BT ✓

Cor. stands on ridge, 175 ft. above sec. cor., bearing
 NE. and S. 30° W.;

Thence over rolling S. exposure, through dense short
 undergrowth, no timber, desc. 55 ft. to

77.43 The cor. of secs. 5-6-7 and 8.

Land, rolling mesa, with W. and S. exposures; drainage
 SW.

Soil, sandy and gravelly loams, on clay and hardpan;
 2nd rate.

Timber, cedar, pinon, and a few yellow pines, on W. $\frac{1}{2}$
 mile.

Undergrowth, medium dense sagebrush, scattering oak and
 service brush.

North, on sectional guide meridian, bet. secs. 5 and 6.
 Over rolling mesa land, through dense short undergrowth
 and few scattered trees; gently asc. 5 ft. to

10.00 Summit of mesa, bears W. and S. 80° E.; gradually desc.
 rolling N. slope, 105 ft. to

39.05 Small draw, course E. for 5 chs. thence to NE.; asc.
 gradual SE. and S. exposures.

40.00 On slight S. exposure, 10 ft. above draw.

Set an iron post, 3 ft. long, $\frac{1}{2}$ in. dia., 26 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

S6 $\frac{1}{4}$ S5 ✓
 1922

from which

Chains

A yellow pine, 34 ins. diam., bears S. $80\frac{1}{2}^{\circ}$ E.,
186 lks. dist., marked $\frac{1}{4}$ S5 BT ✓
A pinon, 15 ins. diam., bears N. 75° W., 282
lks. dist., marked $\frac{1}{4}$ S6 BT ✓

64.50 Enter dense timber, bears W. and SE:

78.00 Top of ascent, 120 ft. above $\frac{1}{4}$ sec. cor., bears E. and
W.; begin slight descent over N. slope.

79.62 Intersect N. bdy. of tp., 2.38 chs. West of the cor.
of secs. 5-6-31 and 32, which is an iron post, 3 ins.
dia., firmly set, and extending 10 ins. above ground,
marked and witnessed as described by the surveyor
general. I deface marks on post and the two bearing
trees pertaining to secs. 5 and 6, leaving same for
secs. 31 and 32, T. 28 S., R. 26 E. only.

At point of intersection,

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in
the ground, for closing cor. of secs. 5 and 6, with
brass cap marked

T28S	R26E
S31	
S6	S5
T29S	R26E
CC	
1922	

from which.

A cedar, 6 ins. diam., bears S. 45° E., 15 lks. ✓
dist., marked T29S R26E S5 CC BT
A pinon, 16 ins. diam., bears S. 57° W., 45 lks. ✓
dist., marked T29S R26E S6 CC BT ✓

Land, rolling mesa top; exposure S. and N. and NE.:
drainage S. and NE.

Soil, sandy and gravelly loams, mixed with some clay
and few scattered rocks; 2nd rate.

Timber, cedar and pinon, with few scattered yellow pines;
very scattered on southern portion, dense on N. end of
mile.

Undergrowth, medium dense sagebrush, scattered clumps
of service and oak brush.

From the cor. of secs. 32 and 33 on S. bdy. of tp.,
which is a sandstone, 24x10x12 ins., firmly set in

Subdivision of T. 29 S., R. 26 E.

Chains

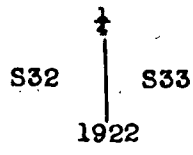
ground, marked and witnessed as described by the surveyor general. Thence,

N. 0° 01' E., bet. secs. 32 and 33.

Over broken and rocky land facing E., through dense scrub timber and scattering, short undergrowth; gradually ascending along broken E. slope, 180 ft. to

40.00 On general E. slope.

Set an iron post, 3 ft. long, 1 in. dia., 10 ins. in the ground to bedrock, and in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked



from which

A cedar, 10 ins.diam., bears S.53°E., 100 lks. dist., marked $\frac{1}{4}$ S33 BT

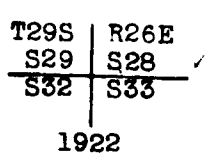
A pinon, 6 ins.diam., bears N.63 $\frac{1}{2}$ °W., 51 lks. dist., marked $\frac{1}{4}$ S32 BT

Continue along broken E. slope.

79.80 Small depression on E. slope, 20 ft. deep, drains SE.

80.00 On SE. slope, 50 ft. above $\frac{1}{4}$ sec. cor.

Set an iron post, 3 ft. long, 2 ins. dia., 10 ins. in ground to bedrock, and in a large mound of stone, for cor. of secs. 28-29-32 and 33, with brass cap marked



from which

A pinon, 12 ins.diam., bears N.8 $\frac{1}{2}$ °E., 17 lks. dist., marked T29S R26E S28 BT

A cedar, 14 ins.diam., bears S.63 $\frac{1}{4}$ °E., 42 lks. dist., marked T29S R26E S33 BT

A cross (X) with letters B0 S29, bears N.60°W., 9 lks. dist., on S. face of boulder, 4 ft. above ground.

No suitable tree in sec. 32, too scrubby. ✓

Land, broken E. slope, lying under mesa to W. of line and draining E. into deep gulch, course S.

Subdivision of T₂ 29 S., R. 26 E.

Chains	
	Soil, rocky and clay; surface strewn with large black sandstone boulders; 4th rate. Timber, dense scrub cedar and pinon. Undergrowth, scattering sage and service brush.
	West, on random line bet. secs. 29 and 32.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.76	Intersect the cor. of secs. 29-30-31 and 32. Thence, East, on true line bet. secs. 29 and 32. Over broken land, through dense timber and scattering undergrowth; asc. broken and rocky W. slope, 250 ft. to W. brink of mesa top, bears N.20°E. and S.20°W.; thence over rolling top of mesa, slight S. exposure.
25.65	
34.70	Enter open sagebrush swale draining S.
37.05	Wash, 5 lks. wide, 2 ft. deep, in swale, course S.
39.10	Leave open swale, re-enter dense timber, bears N. and S.
39.88	On slight SW. exposure, 30 ft. above brink of mesa. Set an iron post, 3 ft. long, 1 in. dia., 8 ins. in ground to bedrock, and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked
	<div style="text-align: center;"> S29 $\frac{1}{4}$ ————— S32 1922 </div>
	from which
	A pinon, 10 ins.diam., bears S.0 $\frac{1}{2}$ °E., 45 lks. dist., marked $\frac{1}{4}$ S32 BT A pinon, 12 ins.diam., bears N.68°W., 24 lks. dist., marked $\frac{1}{4}$ S29 BT
54.00	E. brink of mesa top, 40 ft. above $\frac{1}{4}$ sec. cor, bears N. and S.; desc. steep, rocky E. slope, 350 ft. to cor.
77.30	Small depression on E. slope, drains SE.
79.76	The cor. of secs. 28-29-32 and 333 Land, broken slopes from mesa on E. and W. portions of mile; rolling mesa on remainder; southern exposure and drainage. Soil, on slopes rocky and clay, surface strewn with

Subdivision of T. 29 S., R. 26 E.

Chains

large sandstone boulders; on mesa top, shallow sandy loam and scattering rock, on rock subsoil; 2nd to 4th rates.

Timber, dense cedar and pinon.

Undergrowth, medium sagebrush, with scattered service and oak brush.

East, on true line bet. secs. 28 and 33.

Over broken land, through dense timber and scattering undergrowth; desc. broken and rocky E. slope, 110 ft.

12.40 W. rim of gulch, bears NW. and SE.; desc. more abruptly.

16.80 Bottom of rocky gulch, 120 ft. below rim, course S.; asc. abrupt, rocky W. slope, 160 ft. to

21.70 E. rim of gulch, bears NW. and S.; thence gently asc. over bench.

33.00 Leave nearly all timber, enter sagebrush flat, bears N. and S.

40.00 On gentle W. slope, near E. edge of flat and 190 ft. above gulch.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

S28
 $\frac{1}{4}$ —————
 S33
 1922

from which

A pinon, 6 ins. diam., bears N. 74° E., 136 lks.
 dist., marked $\frac{1}{4}$ S28 BT

A cedar, 6 ins. diam., bears S. 75° E., 73 lks.
 dist., marked $\frac{1}{4}$ S33 BT

40.70 Enter medium dense timber and begin steep ascent over W. slope, bears N. and S.

42.50 Top of knoll or hill, 35 ft. above $\frac{1}{4}$ sec. cor., extends N. $\frac{3}{4}$ chain to end and bears S.; gradually desc. over rough SE. slope, 90 ft. to

63.81 Intersect the Utah-Colorado state boundary N. 7° 11' W., 78.11 chs. dist. of the 85th mile corner, heretofore described. At point of intersection,

Subdivision of T. 29 S., R. 26 E.

Chains

Set an iron post, 3 ft. long, 2 ins. dia., 4 ins. in ground to bedrock, and in a large mound of stone, for closing cor. of secs. 28 and 33, with brass cap marked

T29S
 S28
 CC — S33
 R26E
 U
 1922

from which

A pinon, 8 ins. diam., bears S. $70\frac{1}{2}^{\circ}$ W., 65 lks. dist., marked U-T29S R26E S33 CC BT

A pinon, 8 ins. diam., bears N. $60\frac{1}{4}^{\circ}$ W., 101 lks. dist., marked only S28 CC BT (too scrubby)

Cor. stands on W. rim of gulch, bearing NW. and SE.

Land, broken; general southern exposure and drainage.

Soil, rocky, clay and shallow sandy loam; surface strewn with large boulders; 3rd and 4th rate.

Timber, medium dense scrub cedar and pinon.

Undergrowth, scattered sage, service and oak brush.

N. $0^{\circ}01'$ E., bet. secs. 28 and 29, from cor. secs. 28-29 32 and 33.

Over broken land facing E., through dense timber and scattering undergrowth; gradually ascending along rough and broken E. slope, 250 ft. to

40.00 On E. slope at E. base of large boulder.

Set an iron post, 3 ft. long, 1 in. dia., 8 ins. in ground to bedrock, and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked

S29
 1922
 S28

from which

A pinon, 10 ins. diam., bears S. 40° E., 69 lks. dist., marked $\frac{1}{4}$ S28 BT

A pinon, 14 ins. diam., bears S. $74\frac{1}{2}^{\circ}$ W., 62 lks. dist., marked $\frac{1}{4}$ S29 BT

Continue along broken E. slope ascending 110 ft. to

80.00 In slight depression on E. slope.

Set an iron post, 3 ft. long, 2 ins. dia., 6 ins. in

Subdivision of T. 29 S., R. 26 E.

Chains

ground to bedrock, and in a large mound of stone, with 6 ft. base, for cor. of secs. 20-21-28 and 29, with brass cap marked

T29S	R26E ✓
S20	S21
S29	S28

1922

from which

- A pinon, 6 ins.diam., bears N.18 $\frac{1}{2}$ °E., 41 lks.
dist., marked T29S R26E S21 BT ✓
- A cedar, 16 ins.diam., bears S.77 $\frac{1}{2}$ °E., 40 lks.
dist., marked T29S R26E S28 BT ✓
- A cedar, 10 ins.diam., bears S.16 $\frac{1}{4}$ °W., 118 lks.
dist., marked T29S R26E S29 BT ✓
- A cedar, 12 ins.diam., bears N.69 $\frac{3}{4}$ °W., 95 lks.
dist., marked T29S R26E S20 BT ✓

Land, broken E. slope, lying under mesa to W. of line, draining E. into deep gulch, course S.

Soil, rocky and clay, surface strewn with large black sandstone boulders; 4th rate.

Timber, dense cedar and pinon.

Undergrowth, scattering sage and service brush.

West, on random line bet. secs. 20 and 29.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.70 Intersect N. and S. line, 12 lks. S. of the cor. of secs. 19-20-29 and 30. Thence,

S. 89°55' E., on true line bet. secs. 20 and 29.

Over broken land, through dense timber and scattering undergrowth; gradually asc. broken and rocky W. slope.

1.00 Small draw, 15 ft. deep, near head, course N.80°W.

14.70 Enter sagebrush opening, bears NE. and SW.; thence across opening which extends NE. 5 chs. and SW. 3 chs.

20.20 Leave same, bears NE. and SW.

30.10 W. brink of mesa, 290 ft. above sec. cor., bears NE. for 3 chs. thence N.30°W., and SW. for 2 chs. thence N.30°W.; thence over rolling mesa top, slight S. slope.

39.85 On mesa, 10 ft. above brink.

Set an iron post, 3 ft. long, 1 in. dia., 6 ins. in

Subdivision of T. 29 S., R. 26 E.

Chains

ground to bedrock, and in a large mound of stone, for
 $\frac{1}{4}$ sec. cor., with brass cap marked

S20

 $\frac{1}{4}$

S29

1922

from which

A pinon, 10 ins. diam., bears N. 31° E., 14 lks.
 dist., marked $\frac{1}{4}$ S20 BT ✓

A pinon, 10 ins. diam., bears S. $38\frac{3}{4}^{\circ}$ W., 36 lks.
 dist., marked $\frac{1}{4}$ S29 BT ✓

- 55.40 Begin descent over E. slope of 65 ft. to
- 60.70 Draw, course S.; gradual ascent over SW. slope, 75 ft. to
- 71.00 E. brink of mesa top, bears N. 30° E. for 6 chs. thence
 N. 20° W., desc. steep, rocky E. slope, 200
 ft. to
- 79.70 The cor. of secs. 20-21-28 and 29.
- Land, rough and broken slopes on W. and E. portions of
 mile; rolling mesa top on remaining portion; general
 southern exposure and drainage.
- Soil, on slopes is rocky and clay; surface strewn with
 large detached boulders; on mesa soil is shallow, loose
 sandy loam with sandstone outcrops, on bedrock; 3rd
 and 4th rates.
- Timber, dense cedar and pinon.
- Undergrowth, scattering sage and service brush.

East, on true line bet. secs. 21 and 28.

Over broken land, through dense timber and scattering
 undergrowth; desc. broken and rocky E. slope, 135 ft.

15.20 Rocky gulch, course S.; asc. broken W. slope.

40.00 On W. slope, near top of spur, 230 ft. above gulch.

Set an iron post, 3 ft. long, 1 in. dia., 4 ins. in
 ground to bedrock, and in a large mound of stone, for
 $\frac{1}{4}$ sec. cor., with brass cap marked

S21

 $\frac{1}{4}$

S28

1922

Subdivision of T. 29 S., R. 26 E.

Chains

from which

A pinon, 10 ins. diam., bears S. $15\frac{1}{2}^{\circ}$ E., 32 lks.
dist., marked $\frac{1}{4}$ S28 BT ✓

A pinon, 12 ins. diam., bears N. $3\frac{1}{2}^{\circ}$ W., 57 lks.
dist., marked $\frac{1}{4}$ S21 BT ✓

40.80 Spur, 10 ft. above $\frac{1}{4}$ sec. cor., projects S. 15° W.; desc.
abruptly E. slope, 60 ft. to

42.90 Draw, course S. 10° E. for 3 chs. thence S. 20° W.; continue
along broken S. slope.

53.82 Intersect the Utah-Colorado state boundary, N. $7^{\circ} 11'$ W.,
158.68 chs. dist. of the 85th mile corner, heretofore
described. At point of intersection,
Set an iron post, 3 ft. long, 2 ins. dia., 14 ins. in
ground to hardpan, and in a large mound of stone, for
closing cor. of secs. 21 and 28, with brass cap marked

	T29S	
	S21	
CC	<hr/> S28	Colo
	R26E	
	U	
	1922	

from which

A cedar, 28 ins. diam., bears S. $70\frac{1}{2}^{\circ}$ W., 183 lks.
dist., marked U T29S R26E S28 CC BT ✓

A cedar, 4 ins. diam., bears N. $52\frac{1}{2}^{\circ}$ W., 183 lks.
dist., marked only S21 CC BT (too scrubby) ✓

Land, broken; general southern exposure and drainage.

Soil, rocky and clay, surface strewn with large boulders;
3rd and 4th rates.

Timber, dense pinon and cedar.

Undergrowth, scattering sage and service brush.

From the cor. of secs. 20-21-28 and 29.

N. $0^{\circ} 01'$ E., bet. secs. 20 and 21.

Over broken land facing E., through dense timber and
scattering undergrowth; asc. along steep SE. slope.

6.00 Top of raise on E. slope; 100 ft. above sec. cor., bears
W. 6 chs. dist. to point of mesa; thence along broken
E. slope, descending 60 ft. to

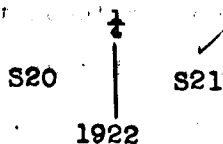
40.00 On E. slope.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in

Subdivision of T. 29 S., R. 26 E.

Chains

the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked



from which

A pinon, 8 ins.diam., bears S.60°E., 20 lks.

dist., marked $\frac{1}{4}$ S21 BT

A pinon, 10 ins.diam., bears N.48°W., 8 lks.

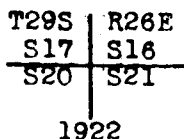
dist., marked $\frac{1}{4}$ S20 BT

Continue along broken E. slope to

62.60 Gulch, 35 ft. above $\frac{1}{4}$ sec. cor., course S.15°E.; asc.
broken SW. slope, 170 ft. to

80.00 On SW. slope.

Set an iron post, 3 ft. long, 2 ins. dia., 6 ins. in
ground to bedrock, and in a large mound of stone, for
cor. of secs. 16-17-20 and 21, with brass cap marked



from which

A pinon, 10 ins.diam., bears N.38°E., 86 lks.

dist., marked T29S R26E S16 BT

A pinon, 12 ins.diam., bears S.17°E., 40 lks.

dist., marked T29S R26E S21 BT

A pinon, 8 ins.diam., bears S.51°W., 65 lks.

dist., marked T29S R26E S20 BT

A pinon, 10 ins.diam., bears N.72°W., 38 lks.

dist., marked T29S R26E S17 BT

Land, broken slopes of mesa; general southern exposure
and drainage.

Soil, rocky and clay, surface strewn with large boulders;
4th rate.

Timber, dense pinon and cedar.

Undergrowth, scattering service and sage brush.

N. 89°55' W., on random line bet. secs. 17 and 20.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.70 Intersect N. and S. line, 9 lks. N. of the true point
for cor. of secs. 17-18-19 and 20, which is 20 lks. S.
of the witness cor. Thence from true cor. point,

Chains

acres

S. 89°59' E., on true line bet. secs. 17 and 20.

Over rough and broken land, through dense timber and scattering undergrowth; desc. from rim of mesa over broken and rocky SE. slope, 270 ft. to

26.40 Bottom of rocky canyon, course S.30°W.; asc. steep, rocky W. slope.

39.85 On steep, rocky W. slope, 155 ft. above canyon. Set an iron post, 3 ft. long, 1 in. dia., 6 ins. in ground to underlying rock, and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked

S17

$\frac{1}{4}$ ———

S20
1922

from which

A pinon, 16 ins.diam., bears S.45°E., 35 lks.
dist., marked $\frac{1}{4}$ S20 BT

A pinon, 6 ins.diam., bears N.22°E., 50 lks.
dist., marked $\frac{1}{4}$ S17 BT

Asc. abrupt W. slope, 95 ft. to

42.70 Top of a 40 ft. sandstone ledge on W. brink of mesa, bears N.15°W. and S.20°W.; thence gradually asc. over rolling top of mesa.

48.20 Stock trail, bears N. and S.

59.40 Ridge of mesa, 50 ft. above rim, bears N.30°W. and S.20°W.; along old brush fence bears E. and S.80°W. Gradually desc. along fence.

62.00 Leave fence, bears W. and E.80°E. The fence extends across top of mesa, bears nearly E. and W.

64.30 E. brink of mesa top, 60 ft. below ridge, bears N. & S. Descend steep, broken E. slope, 220 ft. to

73.80 Gulch, course S.15°E.; asc. steep SW. slope, 110 ft. to

79.70 The cor. of secs. 16-17-20 and 21.

Land, rough broken slopes and rolling mesa top; general southern exposure and drainage.

Soil, rocky, clay and shallow sandy loam; surface under mesa strewn with large detached boulders; 3rd and 4th rates.

Subdivision of T. 29 S., R. 26 E.

Chains

Timber; dense pinon and cedar, with few scattered yellow pines.

Undergrowth, scattering sage, service and oak brush.

East, on true line bet. secs. 16 and 21.

Over rough and broken land, through dense timber and scattering undergrowth; asc. steep, rocky SW. slope.

11.80 W. brink of mesa, 100 ft. above sec. cor., bears NW., and SE. for 10 chs. thence E. to NE.; gradually asc. over mesa top.

21.00 Top of ascent on mesa, 225 ft. above sec. cor., projects S. about 8 chs. dist. to end of mesa; desc. 55 ft. to

35.40 E. brink of mesa, bears N. 20° E. and SW.; desc. abrupt, rocky SE. slope.

40.00 On SE. slope, 160 ft. below rim.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

S16

$\frac{1}{4}$

S21

1922

from which

A pinon, 6 ins. diam., bears N. 24 $\frac{3}{4}$ ° E., 11 lks. dist., marked $\frac{1}{4}$ S16 BT

A pinon, 12 ins. diam., bears S. 7° E., 22 lks. dist., marked $\frac{1}{4}$ S21 BT

Continue descent over SE. slope of 55 ft. to

43.61 Intersect the Utah-Colorado state boundary, N. 7° 11' W., 239.35 chs. dist. of the 85th mile cor.

At point of intersection,

Set an iron post, 3 ft. long, 2 ins. dia., 20 ins. in ground to bedrock, and in a mound of stone, for the closing cor. of secs. 16 and 21, with brass cap marked

T29S

S16

CG-S21

R26E

U

1922

Colo

from which

Subdivision of T. 29 S., R. 26 E.

Chains

501580

A pinon, 8 ins.diam., bears S.40 $\frac{3}{4}$ °W., 33 lks.
dist., marked U T29S R26E S21 CC BT ✓
A pinon, 10 ins.diam., bears N.16°W., 59 lks.
dist., marked U T29S R26E S16 CC BT ✓

Cor. stands on S. slope, near bottom of canyon.

Land, rough and broken slopes and broken top of mesa;
general southern exposure and drainage.

Soil, rocky, clay and shallow sandy loam; surface under
mesa rim strewn with large sandstone boulders; 3rd and
4th rates.

Timber, dense pinon and cedar, few scattered yellow
pines.

Undergrowth, scattered service sage and oak brush.

From the cor. of secs. 16-17-20 and 21.

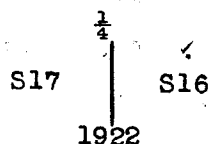
N. 0° 01' E., bet. secs. 16 and 17.

Over rough and broken land; through dense timber and
scattering undergrowth; asc. steep, rocky SW. slope.

12.30 Top of ascent on W. point of mesa, 150 ft. above sec.
cor., bears SE. and N.30°E.; desc. broken NW. slope,
115 ft. to

22.70 Gulch, course S.30°W.; asc. along steep, SE. and E.
slope.

40.00 On E. slope, 105 ft. above gulch.
Set an iron post, 3 ft. long, 1 in. dia., 2 ins. in
ground to bedrock, and in a large mound of stone, for
 $\frac{1}{4}$ sec. cor., with brass cap marked



from which

A pinon, 8 ins.diam., bears N.29 $\frac{1}{2}$ °E., 18 lks.
dist., marked $\frac{1}{4}$ S16 BT ✓

A yellow pine, 14 ins.diam., bears N.9 $\frac{3}{4}$ °W., 18
lks. dist., marked $\frac{1}{4}$ S17 BT ✓

43.20 Rim of mesa, 25 ft. above $\frac{1}{4}$ sec. cor., bears N.10°E.
and S.20°W.; asc. along top, near E. edge, 30 ft. to

53.30 Same rim, bears N.10°W. and S.10°E.; desc. 40 ft. to

Subdivision of T. 29 S., R. 26 E.

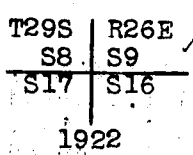
Chains

55.00 Gulch, course SE. for about 10 chs. to junction with another gulch from NE.; thence course SW.; asc. 60 ft.

62.00 N. rim of gulch, bears N.15°W. and S.20°E.; thence a gradual ascent over rolling W. slope, through heavier yellow pine timber, of 75 ft. to

80.00 On gradual SW. slope.

Set an iron post, 3 ft. long, 2 ins. dia., 10 ins. in ground to bedrock, and in a large mound of stone, for cor. of secs. 8-9-16 and 17, with brass cap marked



from which

- A pinon, 10 ins.diam., bears N.46 $\frac{3}{4}$ °E., 64 lks. dist., marked T29S R26E S9 BT
- A pinon, 8 ins.diam., bears S.80 $\frac{1}{2}$ °E., 54 lks. dist., marked T29S R26E S16 BT
- A yellow pine, 12 ins.diam., bears S.29°W., 97 lks. dist., marked T29S R26E S17 BT
- A pinon, 8 ins.diam., bears N.16 $\frac{1}{2}$ °W., 58 lks. dist., marked T29S R26E S8 BT

Land, rough, broken and rolling; general southern exposure and drainage.

Soil, rocky, clay and sandy loam; 2nd to 4th rates.

Timber, dense cedar and pinon, scattering yellow pine, becoming heavier in N. $\frac{1}{2}$ mile, and a few red cedars.

Undergrowth, scattering to medium growth of service, sage and oak brush.

N. 89°59' W., on random line bet. secs. 8 and 17.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.68 Intersect N. and S. line, 2 lks. N. of the cor. of secs. 7-8-17 and 18. Thence,

East, on true line bet. secs. 8 and 17.

Over rolling mesa land, through medium dense timber and scattering undergrowth; gradually asc. over SW. and S. slope, 35 ft. to

11.00 Ridge, bears N. and S.20°W.; gradually desc. rolling

Subdivision of T. 29 S., R. 26 E.

Chains

aligned

SE. slope, 50 ft. to

28.60 Swale, drains S.15°W.; gradually asc. W. slope.

39.84 On gradual W. slope, 40 ft. above swale.

Set an iron post, 3 ft. long, 1 in. dia., 14 ins. in ground to bedrock, and in a mound of stone, for $\frac{1}{4}$ sec.

cor., with brass cap marked

S8

$\frac{1}{4}$ ———

S17

1922

from which

A pinon, 8 ins.diam., bears N.5 $\frac{1}{2}$ °E., 28 lks.
dist., marked $\frac{1}{4}$ S8 BT

A pinon, 16 ins.diam., bears S.35 $\frac{3}{4}$ °E., 45 lks.
dist., marked $\frac{1}{4}$ S17 BT

55.70 Ridge, 80 ft. above $\frac{1}{4}$ sec. cor., bears N. and S.; desc.
gradual E. slope, 115 ft. to swale.

64.00 Enter considerable yellow pine and few red cedars,
bears N. and S.

77.20 Swale, drains S.; asc. SW. slope, 35 ft. to

79.68 The cor. of secs. 8-9-16 and 17.

Land, rolling mesa top; general southern exposure and drainage.

Soil, Sandy and gravelly loam, mixed with some clay and rock, on rock and clay subsoil; 2nd rate.

Timber, dense cedar and pinon, with scattering yellow pinon and few red cedars on E. portion.

Undergrowth, medium growth of sagebrush and scattering service and oak brush.

East, on true line bet. secs. 9 and 16.

Over rolling mesa top, through medium dense timber and short undergrowth; gradually asc. W. slope, 50 ft.

8.40 Top of raise, bears N. and S.; desc. E. slope, 40 ft.

15.90 Swale, course S.20°W.; gradually asc. rolling W. slope.

25.00 Top of raise, 40 ft. above swale, bears NE. and SW.;
thence over slight SE. exposure.

chains

40.00 On nearly level ground.

Set an iron post, 3 ft. long, 1 in. dia., 20 ins. in the ground to bedrock, and in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked

S9

$\frac{1}{4}$ —

S16

1922

from which

A pinon, 8 ins. diam., bears N. 52° E., 25 lks.
dist., marked $\frac{1}{4}$ S9 BT

A pinon, 9 ins. diam., bears S. $27\frac{1}{2}^{\circ}$ E., 16 lks.
dist., marked $\frac{1}{4}$ S16 BT

Begin gradual descent over E. slope.

42.47 Intersect the Utah-Colorado state boundary, North, 2.28 chs. dist. of the 89th mile cor., heretofore described. At point of intersection,

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for closing cor. of secs. 9 and 16, with brass cap marked

T29S	|	/
S9	|	
CC S16	|	Colo
R26E	|	
U	|	
		1922

from which

A pinon, 8 ins. diam., bears S. $53\frac{1}{4}^{\circ}$ W., 73 lks.
dist., marked U T29S R26E S16 CC BT

A pinon, 7 ins. diam., bears N. $58\frac{1}{4}^{\circ}$ W., 47 lks.
dist., marked U T29S R26E S9 CC BT

Land, rolling mesa top; general southern exposure and drainage.

Soil, sandy and clay loam, mixed with scattered rock, on rock or clay subsoil; 2nd rate.

Timber, medium dense cedar and pinon.

Undergrowth, medium sagebrush and some service brush.

From the cor. of secs. 8-9-16 and 17.

N. $0^{\circ}01'$ E., bet. secs. 8 and 9.

Over rolling mesa land, through medium dense timber and short undergrowth; asc. along SW. slope, 30 ft. to

Subdivision of T-29 S., E. 23 E.

Chains							
4.00	Begin descent over NW. slope, 15 ft. to						
10.00	Swale, drains SW.; leave dense, entering more scattering timber and heavier undergrowth, bears NE. and SW. Gradually asc. along gentle SE. slope.						
25.00	Leave scattering, enter dense timber, bears E. and SW.						
33.00	Leave timber, bears E. and W.						
33.50	Summit of mesa, 120 ft. above sec. cor., bears E. and W. proceed across top.						
40.00	Set an iron post, 3 ft. long, 1 in. dia., 24 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked						
	<div style="text-align: center;"> $\frac{1}{4}$ S8 S9 1922 </div>						
	Dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist.						
43.70	Dim trail, bears E. and W.; begin gradual descent over rolling N. slope.						
80.00	On gradual NE. slope, 90 ft. below $\frac{1}{4}$ sec. cor. Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for cor. of secs. 4-5-8 and 9, with brass cap marked						
	<div style="text-align: center;"> <table border="1"> <tr> <td>T29S</td><td>R26E</td></tr> <tr> <td>S5</td><td>S4</td></tr> <tr> <td>S8</td><td>S9</td></tr> </table> 1922 </div>	T29S	R26E	S5	S4	S8	S9
T29S	R26E						
S5	S4						
S8	S9						
	from which						
	A twin pinon, 8 ins. diam., bears N. 64° E., 538 lks. dist., marked T29S R26E S4 BT ✓						
	A pinon, 12 ins. diam., bears N. 59° W., 356 lks. dist., marked T29S R26E S5 BT ✓						
	and dig pits, 18x18x12 ins., NE., SE., SW., and NW. of post, 3 ft. dist.						
	Land, rolling mesa top; N. and S. exposures and drainage from divide near $\frac{1}{4}$ cor.						
	Soil, sandy and clay loam, on clay and hardpan subsoil; 1st and 2nd rates.						
	Timber, cedar and pinon, on southern portion of mile.						
	Undergrowth, medium dense sagebrush, and scattering service and oak brush, dense in patches.						

Subdivision of T. 29 S.; R. 26 E.

Chains	
	West, on random line bet. secs. 5 and 8.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.72	Intersect N. and S. line, 2 lks. S. of the cor. of secs. 5-6-7 and 8. Thence, S. $89^{\circ}59'$ E., on true line, bet. secs. 5 and 8.
	Over rolling mesa land, through dense short undergrowth; descend gentle SE. slope, 35 ft. to
10.00	Swale, near head, drains S. 20° W.; gentle ascent, rolling SW. exposure, 30 ft. to divide.
29.00	Trail, bears NW. and SE.
34.00	Summit or divide of mesa, bears NW. and S. 30° E.; thence gradually descend E. and NE. slopes.
36.00	Enter scattering timber, bears NW. and SE.
39.86	On NE. slope, 30 ft. below divide.
	Set an iron post, 3 ft. long, 1 in. dia., 20 ins. in ground to bedrock, and in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked
	S5 $\frac{1}{4}$ — / S8 1922
	from which
	A cedar, 8 ins. diam., bears S. $59\frac{1}{2}^{\circ}$ E., 258 lks. dist., marked $\frac{1}{4}$ S8 BT
	A pinon, 6 ins. diam., bears N. $29\frac{1}{2}^{\circ}$ W., 124 lks. dist., marked $\frac{1}{4}$ S5 BT
54.00	Ravine, 85 ft. below $\frac{1}{4}$ sec. cor., course N. 20° E.; asc. rolling NW. and N. slope, 65 ft. to
74.70	Raise, bears N. 20° E. and SW., and leave timber, bears same; gradually desc. E. slope, 25 ft. to
79.72	The cor. of secs. 4-5-8 and 9.
	Land, rolling mesa top; S. to SW. exposure and drainage on W. portion, N. and NE. on E. portion.
	Soil, deep sandy and clay loam, with some scattered rock, on clay or rock subsoil; 1st and 2nd rates.
	Timber, scattering cedar and pinon, on E. portion of mile.
	Undergrowth, dense sagebrush, scattered oak and service brush.

Subdivision of T. 29 S., R. 26 E.

Chains

antedo

East, on true line bet. secs. 4 and 9.

Over rolling mesa land having a northerly exposure, through dense short undergrowth; desc. gentle E. slope.

10.10 Wash, 10 lks. wide, 2 ft. deep, in swale, 20 ft. below sec. cor.; drains N.; enter few scattered trees.

Asc. rolling NW. slope, 75 ft. to

22.30 Top of raise, bears N. and S.; gently desc. rolling NE. exposure.

40.00 On slight E. exposure, 20 ft. below raise.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

S4

 $\frac{1}{4}$

S9

1922

Dig pits, 18x18x12 ins.; E. and W. of post, 3 ft. dist.

42.40 Intersect the Utah-Colorado state boundary, North, 2.31 chs. dist. of the 90th mile corner, heretofore described. At point of intersection,

Set an iron post, 3 ft. long, 2 ins. dia., 10 ins. in ground to bedrock, and in a mound of stone, for closing cor. of secs. 4 and 9, with brass cap marked

T29S		
CC	S4	Colo.
	S9	
	R26E	
	U	
	1922	

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Land, rolling mesa; general northern exposure and drainage.

Soil, sandy and clay loam, with some scattered rock; 1st and 2nd rates.

Timber, very scattered pinon and cedar on portions of the mile.

Undergrowth, dense short sagebrush, scattered oak and service brush.

Chains

- From the cor. of secs. 4-5-8 and 9, on true line bet. secs. 4 and 5, over rolling mesa land facing N., through short undergrowth, along slight E. exposure.
- 28.90 Enter dense timber, bears NW. and SE.; and begin slight descent over W. and NW. slopes.
- 31.00 Enter scattering yellow pine and oak and service brush, bears E. and W.
- 40.00 On NW. slope, 90 ft. below sec. cor.
Set an iron post, 3 ft. long, 1 in. dia., 4 ins. in ground to bedrock, and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked
- $\frac{1}{4}$ ✓
 S5 | S4
 1922
- from which
- A yellow pine, 12 ins. diam., bears N. 13° E., 109 lks. dist., marked $\frac{1}{4}$ S4 BT
- A yellow pine, 24 ins. diam., bears N. 8° W., 16 lks. dist., marked $\frac{1}{4}$ S5 BT
- Desc. from cor. over steep NW. slope, 70 ft. to
- 45.60 Draw, course N. 30° E.; asc. along steep, rocky E. slope.
- 47.10 Top of ascent on E. slope, 15 ft. above draw.; leave mesa top, bearing generally N. 80° W. and E.; desc. broken N. slope, along draw, through heavier brush and timber.
- 64.80 Bottom of draw, course N. 15° W.; thence along W. slope, leaving yellow pine and the dense undergrowth, continue through dense pinon and cedar.
- 77.54 E. of my line, 6 lks. dist. I find a sandstone 18x15x3 ins., firmly set in ground, marked with 4 grooves on E. and 2 notches on W. face, witnessed by 3 bearing trees as follows:
- A pinon, 14 ins. diam., bears N. 88° E., 24 lks. dist., marked T28S R26E S33 BT
- A pinon, 10 ins. diam., bears S. 36½° E., 4 lks. dist., marked T29S R26E S4 BT
- A pinon, 8 ins. diam., bears N. 17° W., 6½ lks. dist., marked T28S R26E BT
- I deface the marks on stone and bearing trees, leave

Chains

Station

79.66

stone standing at intersection of the
Intersect N. bdy. of tp., West, 2.58 chs. dist. of the
cor. of secs. 4-5-32 and 33, which is an iron post,
3 ins. dia., extending 12 ins. above ground, firmly
set, marked and witnessed as described by the surveyor
general. I deface marks on post and the two bearing
trees pertaining to secs. 4 and 5, leaving same for
secs. 32 and 33, T.28 S., R.26 E. only.

At point of intersection,
Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in
the ground, for closing cor. of secs. 4 and 5, with
brass cap marked

T28S	R26E
S32	
S5	S4
T29S	R26E
CC	
1922	

from which

A pinon, 6 ins. diam., bears S. $72\frac{1}{2}^{\circ}$ E., 43 lks.

dist., marked T29S R26E S4 CC BT

A pinon, 14 ins. diam., bears S. $48\frac{1}{2}^{\circ}$ W., 49 lks.

dist., marked T29S R26E S5 CC BT

Cor. stands on gentle NW. slope, 315 ft. below $\frac{1}{4}$ sec.
cor.

Land, rolling mesa top on S. portion, broken N. slope
on N. portion; drainage N. into LaSal Canyon.

Soil, sandy and clay loam, on mesa; rocky with shallow
clay and gravelly loams on broken slopes; sandstone
formation; 2nd and 3rd rates.

Timber, medium dense pinon, with scattering yellow
pine and a few aspen.

Undergrowth, sage, oak and service brush.

Boundaries of T. 29 S., R. 26 E.

Latitudes, departures and closing errors.

Lines Designated	True bearing	Distance	Latitude		Departure	
			N. Chs.	S. Chs.	E. Chs.	W. Chs.
W. bdy. of tp.	S.0°10'E.	39.81		39.81	.12	
	S.0°11'E.	39.98		39.98	.13	
	S.0°05'W.	40.15		40.15		.06
	S.1°13'E.	40.18		40.18	.85	
	S.0°38'W.	319.72		319.70		3.53
S. bdy. of tp.	East	233.91			233.91	
E. bdy. of tp.	N.7°30'W	2.57	2.56			.34
	N.7°11'W	249.07	247.11			31.14
Ut.-Col. bdy.	North	44.27	44.27			
	N.0°12'E	23.75	23.75		.08	
	North	161.90	161.90			
N. bdy. of tp.	West	199.70				199.70
Convergency						.25
Totals	-----	1395.00	479.58	<u>479.80</u>	235.09	235.02
				<u>479.58</u>	<u>235.02</u>	
Error in latitude	-----		0.22			
Error in departure	-----				0.07	

General Description of T.29 S., R.26 E.

This fractional township contains principally rolling and broken mesa lands, and rough slopes, having a general northerly and southerly exposure from the divide of Ray Mesa, extending through the northern portion in an easterly and westerly direction. Ray Mesa extends easterly into Colorado for several miles. The drainage is north into LaSal Creek, and south in Coyote Canyon, both draining easterly into Dolores River.

The soil on the mesa tops is mostly a light sandy loam, being quite shallow, mixed with outcrops of sandrock; on clay and rock subsoil; while on the rough slopes and broken lands it is principally rocky and heavy clay. The surface is strewn with large boulders which have broken off from the rims of the mesas. The formation is gray and black sandstone.

General Description of T. 29 S., R. 26 E.

With the exception of along the summit of Ray Mesa in the northern portion of the township, it is covered with a dense growth of pinon pine and cedar timber, scattered yellow pines are found along the edges of the mesa. A medium growth of black sagebrush is found throughout with scattering service and oak brush on the rough slopes.

There is no permanent water within this township.

No indications of coal, oil or mineral were found in the township.

There are no settlers living in the township. And the only improvements consist of a small plowed area (about 10 acres) in NW $\frac{1}{4}$, NW $\frac{1}{4}$ of sec. 7, and one of about 3 acres in SE $\frac{1}{4}$, NE $\frac{1}{4}$ of sec. 7.

The average magnetic declination in the township is N. 15° 30' E.

Andrew Nelson
U.S. Cadastral Eng.

4-680

FIELD ASSISTANTS.

4-37M

CERTIFICATE OF UNITED STATES SURVEYOR.

I, Andrew Nelson, U.S. Cadastral Engineer, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Utah bearing date of the 31st day of May, 1922, I have well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of retracement of the Utah-Colorado state boundary bet. the 85th and 91st mile cors.; establishment of $\frac{1}{4}$ sec. cors. for E. bdy., on the state boundary, and establishment of $\frac{1}{4}$ sec. cors. on N. bdy. of T.29 S., R.26 E.; resurvey of W. bdy. of tp., and subdivision of T. 29 S., R. 26 E.

_____ of the Salt Lake Base and _____ Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed by me, and under my direction; and that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for Utah and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Salt Lake City, Utah
April 3, 1923

Andrew Nelson
U.S. Cadastral Engineer.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

_____, 1923
July 28, 1923

The foregoing field notes of the survey of Retracement of the Utah-Colorado State boundary between the 85th & 91st Mile corners; Establishment of $\frac{1}{4}$ sec. cors. for East bdy. of T 29 S. R. 26 E. on Utah-Colorado Bdy Establishment of $\frac{1}{4}$ sec. cors. on North bdy. of T. 29 S. R. 26 E Resurvey of West bdy. of Tp. 29 S. R. 26 E. and Subdivision of Tp. 29 S., R. 26 E.

executed by Andrew Nelson, U.S. Cadastral Engineer

under his special instructions dated May 31, 1922, 12, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

E. B. Bowen
U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____ have _____ has been correctly copied from the original notes on file in this office.

U. S. Surveyor General.

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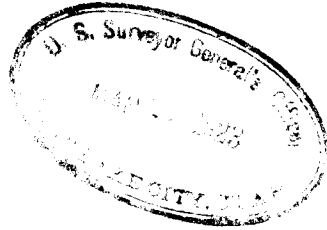
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BOOK A-465

C



FIELD NOTES

OF THE SURVEY OF THE

SOUTH BOUNDARY ANDSUBDIVISIONOFTOWNSHIP 36 SOUTH, RANGE 25 EAST.Of the SALT LAKE BASE and Meridian,In the State of UTAH

EXECUTED BY

ANDREW NELSON, U.S. CADASTRAL ENGINEER.

Cadastral Engineer

In the capacity of U. S. ~~Surveyor~~, under instructions dated May 31, 1922.

issued by the United States Surveyor General to govern surveys included in
 Group No. 128, which were approved by the Commissioner of the General Land
 Office, June 8, 1922.

ASSIGNMENT INSTRUCTIONS DATED MAY 12, 1922.Survey commenced August 7, 1922, ~~1922~~Survey completed September 9, 1922, 191

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INDEX DIAGRAM.

Township 36 South, Range 25 East, S.L.B. & Mer.

31	32	33	34	35	36
6	Seventh	Standard	Parallel	South	1
6	77	5	58	4	47
76	75	57	46	34	22
7	73	8	56	9	44
72	71	55	43	32	11
18	70	17	54	16	42
69	68	53	41	30	14
19	67	20	52	21	39
66	65	50	38	27	28
30	63	29	49	22	25
62	61	48	36	29	17
31	59	32	47	23	16
10	9	8	6	26	14
				24	12
				11	86
				5	4

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4-679 b

INDEX DIAGRAM.

Township 36 S, Range 25 E

6	139	5	120	4	109	3	96	2	84	1
138	137		119		108		95		83	
7	135	8	118	9	106	10	94	11	81	12
134	133		117		105		93		81	
13	132	17	116	16	104	15	92	14	80	13
131	130		115		103		91		78	
19	129	20	114	21	101	22	89	23	77	24
128	127		112		100		88		76	
20	125	29	111	28	99	27	87	26	75	25
124	123		111		98		86		74	
31	121	32	109	33	97	34	85	35	73	36
72	71		70		68		67		66	

T. 36 S., R. 25 E.

DATE DIAGRAM OF T. 36 S., R. 25 E.

	9-9/22	9-2/22	8-31/22	9-1/22	8-24/22	
6	9-9/22	5	4	3	2	1
9-9/22	9-8/22	9-2/22	8-31/22	8-31/22	9-1/22	8-24/22
7	9-8/22	8	9	10	11	12
9-7/22	9-7/22	9-2/22	8-30/22	8-29/22	8-26/22	8-23/22
18	9-6/22	17	16	15	14	13
9-6/22	9-6/22	8-30/22	8-28/22	8-25/22	8-25/22	8-22/22
19	9-5/22	20	21	22	23	24
9-5/22	8-17/22	8-28/22	8-19/22	8-18/22	8-18/22	8-21/22
30	8-16/22	29	28	27	26	25
8-15/22	8-16/22	8-17/22	8-14/22	8-11/22	8-10/22	8-9/22
31	8-15/22	32	33	34	35	36
8-12/22	8-12/22	8-14/22	8-11/22	8-10/22	8-9/22	8-8/22
----- 8-7/22 -----						

All lines in this township surveyed by Andrew Nelson,
U.S. Cadastral Engineer, on dates as shown above.

Survey commenced August 7, 1922, and executed with a
Buff & Buff transit No. 9978; equipt with Smith solar
attachment and full vertical circle. The horizontal
limb is provided with two double verniers placed
opposite to each other and reading to single minutes
of arc, which is also the least count of the verniers
of the latitude and declination arcs, and the vertical
circle; unless otherwise specified all azimuth

T. 36 S., R. 25 E.

determinations are accomplished with the solar attachment.

The instrument was approved for use in this survey by the Assistant Supervisor of Surveys, for Utah, conditional upon satisfactory field tests, in assignment instructions dated May 12, 1922.

Aug. 12th: At my station on the S. bdy. of T.36 S., R. 25 E., near the cor. of secs. 4-5-32 and 33, in approximate latitude $37^{\circ} 36'$ N., longitude $109^{\circ} 15'$ W., I examine the adjustments of the transit and correct all errors, then, to test the solar apparatus by comparing its indications resulting from solar observations made during a.m. and p.m. hours with a meridian determined by observations made on Polaris, I proceed as follows:

At 10h 13.9'm p.m., l.m.t., I observe Polaris at eastern elongation, making six observations, three each with the telescope in direct and reversed positions, and mark the mean point in the line thus determined, on a peg driven firmly in the ground, about 10 chs. N. Azimuth of Polaris at eastern elongation = $1^{\circ} 24' 26''$.

Aug. 12: At 7h 30m a.m., I lay off the azimuth of Polaris $1^{\circ} 24\frac{1}{4}'$, to the west, and mark the line thus determined by a nail in a peg driven firmly in the ground, about 10 chs. N.

At 8h 0m a.m., app.t., I set off $37^{\circ} 36'$ N. on the lat. arc; $14^{\circ} 48'$ N. on the decl. arc; and determine a meridian with the solar which I find to agree with the true meridian.

At app. noon I make a meridian observation of the sun for time and latitude, observing simultaneously the altitude of the sun's lower limb and the transit of the sun's west limb, reversing the telescope and observing simultaneously the altitude of the sun's upper limb and the transit of the sun's east limb.

Survey of South Boundary of T.36 S., R.25 E.

Mean observed altitude ----- 67° 09' 15"
 Reduced latitude ----- 37° 36'
 Mean watch time of observation --- 12h 5m 25s
 Watch fast of local mean time -- Om 40s

At apparent noon I set off 14° 45½' N. on the decl. arc and observe the sun on the meridian, the resulting lat. is 37° 36'.

At 4h 15m p.m., app.t., with the lat. arc unchanged, I set off 14° 42½' N. on the decl. arc., and determine a meridian with the solar which bears 1' east of the true meridian.

As all the solar observations during the usual hours of solar work come within 1' 30" of the true meridian, I conclude that the adjustments of the instrument are satisfactory. The instrument was kept in good adjustment during the progress of this survey, frequent tests being made on Polaris meridians, and latitude observations were taken daily whenever possible.

For tests at completion of this tp., see survey notes of T.37 S., R.25 E.

MEASUREMENTS.

Unless otherwise specified all measurements are made with a Lallie steel ribbon tape 8 chains in length, compared with a Lufkin standard steel tape 1 chain in length, and found correct. The measurements are made on the slope, the vertical angles determined with clinometers, and the measurements properly reduced to true horizontal distances, which only appear in these notes.

SURVEY OF SOUTH BOUNDARY OF T.36 S., R.25 E.

From the cor. of T. 36 S., R. 24 and 25 E., which is an iron post, 3 ins. dia., extending 12 ins. above the ground, properly marked and witnessed as described by the surveyor general.

Thence,

Survey of South Boundary of T.36 S., R.25 E.

Chains

East, on random line along S. bdy. of T.36 S., R.25 E., for alinement only; this line intersects the E. bdy. of the tp., 28 lks. N. of the cor. of Ts. 36 and 37 S., Rs. 25 and 26 E., which is a gray sandstone in place, showing 18x10x6 ins. above ground, marked with 6 notches on N, S, E, and W. edges, and witnessed as described by the surveyor general. The fall answers to a correction of $0^{\circ} 02'$, or 5 lks. S. per mile, counting from the SW. cor of the tp.; therefore

N. $89^{\circ} 58'$ W., on true line, bet. secs. 1 and 36.

Over rocky and broken land facing S. into Lake Canyon, through medium dense timber and short, scattered undergrowth; gently ascending along S. exposure, 125 ft.

40.00 On a slight SW. exposure.

Set an iron post, 3 ft. long, 1 in. dia., 8 ins. in the ground to bedrock, and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked

S36
 $\frac{1}{4}$ ———
S1
1922

from which

A cedar, 8 ins.diam., bears S. 53° W., 27 lks.
dist., marked $\frac{1}{4}$ S1 BT

A cedar, 12 ins.diam., bears N. $34\frac{1}{2}^{\circ}$ W., 26 lks.
dist., marked $\frac{1}{4}$ S36 BT

Gradually desc. SW. slope, 120 ft. to

58.60 Draw, course S.; gradually asc. broken SE. slope, 110 ft.

80.00 On a conglomerate outcrop, showing 12x20 ft. x 6 ft.

high, cut cross (X) near S. edge of top, over which set an iron post, 3 ft. long, 2 ins. dia., 30 ins. in a large mound of stone, for the cor. of secs. 1-2-35 and 36, which brass cap marked

T36S | R25E
S35 | S36
S2 | S1
T37S
1922

from which

A pinon, 8 ins.diam., bears N. $31\frac{1}{2}^{\circ}$ E., 67 lks.
dist., marked T36S R25E S36 BT

Survey of South Boundary of T. 36 S., R. 25 E.

Chains

- A cedar, 10 ins. diam., bears S. $24\frac{1}{2}^{\circ}$ E., 121 lks.
dist., marked T37S R25E S1 BT
- A cedar, 12 ins. diam., bears S. $55\frac{1}{2}^{\circ}$ W., 61 lks.
dist., marked T37S R25E S2 BT
- A cedar, 12 ins. diam., bears N. $26\frac{1}{2}^{\circ}$ W., 74 lks.
dist., marked T36S R25E S35 BT

Corner stands on a rough SE. slope.

Land, rough and broken, facing S. into Lake Canyon,
which drains about S. 70° W.

Soil, rocky of gray sandstone formation, with shallow
sandy and clay loam; surface strewn with boulders.

Timber, medium dense scrub cedar and pinon.

Undergrowth, short, scattering sagebrush.

Fair to poor grazing land.

N. $89^{\circ}58'$ W., bet. secs. 2 and 35.

Over rough and broken land, through medium dense timber
and scattering undergrowth; gradually asc. rough SE. slope
towards mesa rim.

6.15 Begin abrupt ascent over ledgy SE. face of break, bears
NE. and S W.

12.40 Top of spur, or narrow neck from high mesa to NE.,
275 ft. above sec. cor., projects S W.; desc. abrupt,
rocky N W. slope.

22.00 Base of the abrupt slope from spur, 175 ft. below top,
bears NE. and S W.; continue a more gradual descent
over low broken land facing N W. and W.

40.00 On gradual N W. slope, 300 ft. below top of spur.
Set an iron post, 3 ft. long, 1 in. dia., 6 ins. in the
ground to bedrock, and in a large mound of stone, for
 $\frac{1}{4}$ sec. cor., with brass cap marked

S35

$\frac{1}{4}$

S2

1922

from which

A pinon, 6 ins. diam., bears N. $7\frac{1}{2}^{\circ}$ E., 76 lks.
dist., marked $\frac{1}{4}$ S35 BT

A pinon, 8 ins. diam., bears S. $28\frac{1}{2}^{\circ}$ E., 49 lks.
dist., marked $\frac{1}{4}$ S2 BT

Survey of South Boundary of T.36 S., R.25 E.

Chains

68.10

Continue gradual descent over bench slope, 135 ft. to
Brink of Monument Canyon, bears generally N. and S.30°W.
Desc. abrupt, ledgy W. slope, 280 ft. to cor.

79.80

As true point for sec. cor. falls in impracticable place,
therefore at this point,
Set an iron post, 3 ft. long, 2 ins. dia., 4 ins. in
ground to bedrock, and in a large mound of stone, for
the witness cor. to the cor. of secs. 2-3-34 and 35,
with brass cap marked

	T36S	R25E
	S34	S35
WC	S3	S2
	T37S	
	1922	

from which

A cedar, 8 ins.diam., bears N.78°E., 66 lks.
dist., marked WC T36S R25E S35 BT

A cedar, 10 ins.diam., bears S.14°E., 58 lks.
dist., marked WC S2 BT (too scrubby for
full markings)

A pinon, 10 ins.diam., bears S.18°W., 113 lks.
dist., marked WC T37S R25E S3 BT

No suitable bearing tree available in sec. 34.

80.00

True point for sec. cor. falls in cleft of ledge, 8 ft.
deep, where it is impracticable to set cor.

Land, rough and broken; SE. exposure and drainage into
Lake Canyon on eastern portion; NW. and W. into Mon-
ument on western portion.

Soil, rocky with shallow clay and sandy loam; sandstone
formation; surface strewn with boulders.

Timber, medium dense scrub cedar and pinon.

Undergrowth, short scattered sagebrush and shadscale.

Fair to poor grazing land.

N. 89°58' W., bet. secs. 3 and 34, counting dist. from
true point.

Over rough broken land, through scattering timber; desc.
abrupt ledgy W. slope, 175 ft. to

7.65

Dry channel, rocky bottom, 1 ch. wide, in bottom of
Monument Canyon, course S.15°W.; asc. abrupt ledgy
E. slope, 390 ft. to

Survey of South Boundary of T.36 S., R.25 E.

Chains

20.40

W. brink of Monument Canyon, bears N. and S.; thence over broken bench, S. exposure, over small draws draining S.

40.00

On a rocky SE. slope, 20 ft. above the brink.

Set an iron post, 3 ft. long, 1 in. dia., 4 ins. in the ground to bedrock, and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked

	S34
$\frac{1}{4}$	<hr/> S3

1922

from which

A cedar, 8 ins.diam., bears N.60°E., 34 lks.
dist., marked $\frac{1}{4}$ S34 BT

A cedar, 6 ins.diam., bears S.63°W., 26 lks.
dist., marked $\frac{1}{4}$ S3 PT

45.60

Rocky S. point of bench and rim of gulch, 55 ft. above $\frac{1}{4}$ sec. cor., bears N. and S.85°E.; desc. along rocky SW. slope, 260 ft. to

61.75

Gulch, course SE.; asc. broken E. slope, 235 ft. to

78.40

W. brink of gulch, bears N.10°E. and S.15°E.; gradually asc.

80.00

On slight E. slope.

Set an iron post, 3 ft. long, 2 ins. dia., 5 ins. in ground to bedrock, and in a mound of stone, for cor. of secs. 3-4-33 and 34, with brass cap marked

T36S	R25E
S33	S34
S4	S3
<hr/>	
T37S	
1922	

from which

A cedar, 5 ins.diam., bears N.19 $\frac{1}{2}$ °E., 136 lks.
dist., marked T36S R25E S34 BT

A cedar, 8 ins.diam., bears S.45°E., 60 lks.
dist., marked T37S R25E S3 BT

A cedar, 10 ins.diam., bears S.57°W., 95 lks.
dist., marked T37S R25E S4 BT

A cedar, 12 ins.diam., bears N.78°W., 40 lks.
dist., marked T36S R25E S33 BT

Land rough and broken, rough canyon slopes; drainage and exposure into Monument Canyon.

Soil, rocky with shallow clay and sandy loam.

Timber, medium dense to scattering cedar and pinon.

Survey of South Boundary of T.36 S., R.25 E.

Chains

Undergrowth, scattered short sagebrush.

N. 89°58' W., bet. secs. 4 and 33.

Over rolling and broken land, through medium dense timber and short undergrowth; gradually asc. 15 ft. to

4.50 Top of raise on mesa, bears N. and S.; gradually desc. W. and SW. slopes.

8.70 Leave medium dense, enter scattering timber, bears NW. and SW.

32.40 Re-enter medium dense timber, bears N. and S.

40.00 On a slight SW. exposure, 60 ft. below raise.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

S33

$\frac{1}{4}$ S4

1922

from which

A cedar, 6 ins.diam., bears S.44 $\frac{1}{2}$ °E., 92 lks.
dist., marked $\frac{1}{4}$ S4 BT

A cedar, 8 ins.diam., bears N.85 $\frac{1}{2}$ °E., 38 lks.
dist., marked $\frac{1}{4}$ S33 BT

48.00 Gulch, 60 ft. deep, course S.; a small seep, good water, bears down the gulch about 8 chs. dist.

Gradually ascend E. slope, 126 ft. to

65.00 Spur, projects NE.; thence over N. slope, desc. 40 ft.

80.00 On a N. slope.

Set an iron post, 3 ft. long, 2 ins. dia., 16 ins. in the ground to bedrock, and in a large mound of stone, for cor. of secs. 4-5-32 and 33, with brass cap marked

T36S	R25E
S32	S33
S5	S4

T37S

1922

from which

A cedar, 8 ins.diam., bears N.68°E., 17 lks.
dist., marked T36S R25E S33 BT

A cedar, 8 ins.diam., bears S.56°E., 23 lks.
dist., marked T37S R25E S4 BT

A cedar, 7 ins.diam., bears S.36 $\frac{1}{2}$ °W., 12 lks.
dist., marked T37S R25E S5 BT

A cedar, 12 ins.diam., bears N.52 $\frac{1}{2}$ °W., 78 lks.
dist., marked T36S R25E S32 BT

A Survey of South Boundary of T.36 S., R.25 E.

Land, rolling and broken, general exposure and drainage S. into Monument Canyon.

Soil, shallow sandy and clay loam and rocky.

Timber, medium dense to scattering cedar and pinon.

Undergrowth, scattering to medium growth of sagebrush.

Fair grazing land.

N. 89°58' W., bet. secs. 5 and 32.

Over rolling and broken land facing E., through medium dense timber and short undergrowth; proceed along a gradual N. slope.

- 4.80 Head of small draw, drains N.80°E.; begin gradual ascent.
- 19.00 Leave medium dense, enter scattering timber, bears N. and S.; slope becomes more abrupt and rocky.
- 36.75 Top of high butte or knoll, top is 50 lks. wide and extends N. and S. 3 chs. dist., 360 ft. above sec. cor. Desc. steep, rocky W. slope.
- 40.00 On steep, W. slope, 90 ft. below top.
- Set an iron post, 3 ft. long, 1 in. dia., 6 ins. in the ground to bedrock, and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked

S32
 $\frac{1}{4}$ —————
S5
1922

from which

- A pinon, 12 ins. diam., bears N. 72½°E., 52 lks. dist., marked $\frac{1}{4}$ S32 BT
- A pinon, 8 ins. diam., bears S.7°W., 20 lks. dist., marked $\frac{1}{4}$ S5 BT

- 52.00 Base of slope from butte, 120 ft. below $\frac{1}{4}$ sec. cor., bears, and leave nearly all rocks, bears N. and S.; continue over rolling mesa top, S. exposure.
- 66.35 Trail, bears N.10°E. and S.10°W.
- 80.00 On a gentle S. slope, 190 ft. below $\frac{1}{4}$ sec. cor.
- Set an iron post, 3 ft. long, 2 ins. dia., 18 ins. in the ground to bedrock, and in a mound of stone, for

Chains

cor. of secs. 3-6-31 and 32, with brass cap marked

T36S	R25E
S31	S32
36	35

T37S
1922

from which

- A cedar, 8 ins.diam., bears N. 63° E., 23 lbs.
dist. marked T36S R25E S32 BT
 - A cedar, 10 ins.diam., bears S. 26½° E., 50 lbs.
dist. marked T37S R25E S35 BT
 - A cedar, 10 ins.diam., bears S. 47° E., 98 lbs.
dist. marked T37S R25E S36 BT
 - A cedar, 8 ins.diam., bears N. 18½° E., 56 lbs.
dist. marked T36S R25E S31 BT
- land, rolling and broken mesa, sloping E. and SW. from
butte near ½ sec. cor.

Soil, heavy clay and rocky.

Timber, medium dense to scattering cedar and pinon.

Undergrowth, short sagebrush and greasewood.

Fair grazing land.

N. 19° 30' E., bet. secs. 6 and 31.

Over rolling mesa top, through scattering timber and
medium growth of undergrowth; along a slight S. expo-
sure.

75.00 Slope changes to E. and SW., and enter heavier timber,
bears NE. and E.

6.00 Set an iron post, 2 ft. long, 1 in. dia., 26 ins. in
the ground, for ½ sec. cor., with brass cap marked

331
36

1922

from which

- A cedar, 14 ins.diam., bears N. 52½° E., 26 lbs.
dist. marked ½ S31 BT
- A cedar, 14 ins.diam., bears S. 2½° E., 57 lbs.
dist. marked ½ S36 BT

Continue over smooth mesa top, slight E. exposure.

75.00 The cor. of T. 34 S., R. 24 and 25 E., hereafter
described, 20 ft. below ½ sec. cor.

Note: The closing cor. of T. 34 S., R. 24 and 25 E.
bears West, S. 27° E. dist.

Subdivision of T. 36 S., R. 25 E.

Chains

Land, rolling and nearly level mesa top; exposure to S. and SW.

Soil, hard clay and sandy loam.

Timber, scattering to medium dense cedar and pinon.

Undergrowth, medium black sagebrush, 1 to 3 ft. high.

Good grazing land.

SUBDIVISION OF T. 36 S., R. 25 E.

From the cor. of secs. 1-2-35 and 36 on S. bdy. of tp., heretofore described.

N. 0°01' W., bet. secs. 35 and 36.

Over rough and broken land, through medium dense timber and short undergrowth; asc. rocky SE. slope.

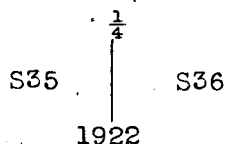
7.00 Begin more abrupt ascent over ledgy SE. slope of high spur.

15.10 Top of high narrow spur, projecting SW., and bears NE. about 15 chs. dist. to high mesa, 255 ft. above sec. cor.; desc. abrupt rocky NW. slope, 160 ft. to

21.50 Base of the abrupt slope, bears NE. and SW.; continue along a gradual broken and rocky W. slope of bench.

40.00 On W. slope, 240 ft. below spur.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked



from which

A pinon, 6 ins.diam., bears N. 21 $\frac{1}{2}$ ° E., 34 lks. dist., marked $\frac{1}{4}$ S36 BT

A cedar, 12 ins.diam., bears S. 49° W., 35 lks. dist., marked $\frac{1}{4}$ S35 BT

80.00 On a gradual NW. slope, 20 ft. below $\frac{1}{4}$ sec. cor.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 25-26-35 and 36, with brass cap marked

T36S	R25E
S26	S25
S35	S36

Chains

angle

from which

- A cedar, 5 ins. diam., bears N. 50 $\frac{1}{2}$ ° E., 63 lks.
dist., marked T36S R25E S25 BT
- A cedar, 8 ins. diam., bears S. 55 $\frac{1}{2}$ ° E., 56 lks.
dist., marked T36S R25E S36 BT
- A pinon, 10 ins. diam., bears S. 50° W., 72 lks.
dist., marked T36S R25E S35 BT
- A cedar, 8 ins. diam., bears N. 49 $\frac{1}{2}$ ° W., 157 lks.
dist., marked T36S R25E S26 BT

Land, rough and broken; SE. exposure and drainage into Lake Canyon, on the S. 15 chs., and NW. and W. into Monument Canyon on remainder of mile.

Soil, rocky of sandstone formation and hard, gray clay, on clay and rock subsoil; surface strewn with large boulders.

Timber, medium growth of scrub cedar and pinon.

Undergrowth, scattered, short sage and greasewood.

Poor grazing land.

S. 89°58' E., on random line bet. secs. 25 and 36.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

72.26 Intersect E. bdy. of tp., 7 lks. N. of the cor. of secs. 25-30-31 and 36, which is an iron post, 2 ins. dia., extending 12 ins. above ground, firmly set, properly marked and witnessed as described by the surveyor general. Thence,

N. 89°55' W., on true line bet. secs. 25 and 36.

Over gently rolling mesa top, through dense timber and scattered undergrowth.

36.00 W. brink of mesa top, bears N. 30° E. and SW.; desc. abrupt rocky W. slope.

32.98 On W. slope, 95 ft. below brink.

Set an iron post, 2 ft. long, 1 in. dia., 10 ins. in the ground to bedrock, and in a large mound of stone, for the $\frac{1}{4}$ sec. cor., with brass cap marked

S25

$\frac{1}{4}$ ———

S36

1922

from which

Subdivision of T. 36 S., R. 25 E.

Chains

- A cedar, 12 ins. diam., bears N. 2° E., 12 lks.
dist., marked $\frac{1}{4}$ S25 BT
- A pinon, 6 ins. diam., bears S. 44° E., 37 lks.
dist., marked $\frac{1}{4}$ S36 BT
- 42.20 Base of the abrupt mesa slope, bears N. 30° E. and S. 30° W.;
thence gradually desc. over broken bench slope.
- 79.96 The cor. of secs. 25-26-35 and 36, 320 ft. below $\frac{1}{4}$ sec.
cor.
- E. 36.00 chs. is gently rolling top of high mesa; soil,
shallow, loose, dry sandy loam and outcrops of sandstone
bedrock: remainder of mile is abrupt W. break of mesa
and broken bench, sloping W. into Monument Canyon:
soil, hard clay and rocky; surface strewn with large
boulders.
- Timber, dense cedar and pinon, being somewhat heavier
on the mesa top.
- Undergrowth, scattering short sagebrush.
- Fair grazing land.
-
- N. 0° 01' W., bet. secs. 25 and 26.
- Over broken bench land facing W., through dense timber
and scattering undergrowth; gradually descending along
W. slope, 65 ft. to
- 33.25 S. brink of Monument Canyon, bears N. 20° E. and SW.;
desc. abrupt, rocky NW. slope, through scattering
timber.
- 40.00 On NW. canyon slope, 80 ft. below brink.
- Set an iron post, 3 ft. long, 1 in. dia., 14 ins. in
the ground to bedrock, and in a large mound of stone,
for the $\frac{1}{4}$ sec. cor., with brass cap marked
- $\frac{1}{4}$
 S26 | S25
 1922
- from which
- A pinon, 8 ins. diam., bears N. 42° E., 33 lks.
dist., marked $\frac{1}{4}$ S25 BT
- A cedar, 8 ins. diam., bears S. 15° W., 19 lks.
dist., marked $\frac{1}{4}$ S26 BT

Subdivision of T. 36 S., R. 25 E.

Chains

55.00 Bottom of Monument Canyon, dry, 1 ch. wide, rocky bottom, 210 ft. below $\frac{1}{4}$ sec. cor., course S.30°W.; asc. abrupt, rocky SE. slope, 255 ft. to

63.00 N. brink of the canyon, bears NE. and SW.; continue a gradual ascent over broken bench facing SE., through dense timber, 180 ft. to

80.00 On a slight NE. slope.

Set an iron post, 3 ft. long, 2 ins. dia., 10 ins. in the ground to bedrock, and in a mound of stone, for cor. of secs. 23-24-25 and 26, with brass cap marked

T36S	R25E
S23	S24
S26	S25

1922

from which

A cedar, 14 ins.diam., bears N.75 $\frac{1}{4}$ °E., 48 lks.
dist., marked T36S R25E S24 BT

A cedar, 14 ins.diam., bears S.36°E., 49 lks.
dist., marked T36S R25E S25 BT

A pinon, 8 ins.diam., bears S.62°W., 60 lks.
dist., marked T36S R25E S26 BT

A cedar, 8 ins.diam., bears N.21°W., 119 lks.
dist., marked T36S R25E S23 BT

Land, broken benches facing NW and SE. into Monument Canyon, draining SW., and cutting through near center of the mile, having abrupt, rocky slopes.

Soil, rocky and shallow clay and some sandy loam; surface strewn with large sandstone boulders.

Timber, dense to scattering cedar and pinon.

Undergrowth, scattering short sagebrush.

Fair to poor grazing land.

S. 89°55' E., on random line bet. secs. 24 and 25.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.88 Intersect E. bdy. of tp., 23 lks. N. of the cor. of secs. 19-24-25 and 30, which is an iron post, 3 ins. dia., extending 12 ins. above ground, firmly set, properly marked and witnessed as described by the surveyor general. Thence

N. 89°45' W., on true line bet. secs. 24 and 25.

Subdivision of T. 3618., R. 25 E.

Chains	
	Over broken bench land sloping W. and NW. from high mesa to E., towards brink of Monument Canyon; descending W. slope, 235 ft. to
27.90	Edge of bench and brink of gulch, bears N. and S.; desc. abrupt ledgy slope, 180 ft. to
31.00	Bottom of short branch gulch, drains NW. 10 chs. to canyon; asc. over ledges, 180 ft. to
34.00	Cross N. point of bench 2 chs. wide; desc. abrupt W. slope over ledges into canyon.
39.94	On abrupt ledgy W. slope, 185 ft. below bench. Set an iron post, 3 ft. long, 1 in. dia., 12 ins. in the ground to bedrock, and in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked
	S24 + ——— S25 1922
	from which
	A cedar, 8 ins. diam., bears N. 84° E., 59 lks. dist., marked $\frac{1}{4}$ S24 PT
	A cedar, 8 ins. diam., bears S. 70° E., 33 lks. dist., marked $\frac{1}{4}$ S25 PT
43.20	Bottom of Monument Canyon, 1 ch. wide, dry, 90 ft. below $\frac{1}{4}$ sec. cor., course S., from NE.; asc. abrupt ledgy E. slope, 120 ft. to
47.30	Rocky spur, projects S. about 10 chs. dist. to end.; desc. abrupt W. slope, 130 ft. to
52.90	Recross bottom of Monument Canyon, course NW. from S.; thence along bottom land, through scattered cotton-woods to
57.30	Recross bottom of canyon, course SW.; asc. abrupt, ledgy E. slope.
63.15	100 ft. sandstone rim ledge facing E., bears N. and S.
67.25	Brink of Monument Canyon, bears NE. and S. 30° W.; thence over broken top of bench, asc. 40 ft. to cor.
79.88	The cor. of secs. 23-24-25 and 26, 360 ft. above canyon. Land, rough and broken bench, cut by Monument Canyon, draining SW.

Subdivision of T. 36S, R. 25E.

Chains

Chains

Soil, rocky and clay, surface strewn with large black sandstone boulders; canyon slopes broken by rim ledges. Timber, dense cedar and pinon.

Undergrowth, scattered sagebrush.

Fair to poor grazing land.

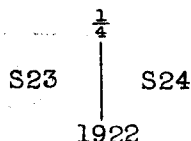
N. 0°01' W., bet. secs. 23 and 24.

Over rolling and broken top of bench or mesa facing SE; gradually ascending, through dense timber and scattering undergrowth.

17.60 Top of raise, 105 ft. above sec. cor., bears NW. and SE.

40.00 On gentle E. slope, 120 ft. above sec. cor.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked



from which

A cedar, 10 ins. diam., bears S. 64 $\frac{3}{4}$ ° E., 40 lks.
dist., marked $\frac{1}{4}$ S24 BT

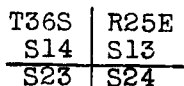
A pinon, 6 ins. diam., bears S. 46° W., 32 lks.
dist., marked $\frac{1}{4}$ S23 BT

Continue along rolling E. slope.

78.25 Shallow swale, drains S. 60° E.

80.00 On slight S. slope, 50 ft. above $\frac{1}{4}$ sec. cor.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 13-14-23 and 24, with brass cap marked



1922

from which

A cedar, 5 ins. diam., bears N. 25 $\frac{1}{2}$ ° E., 30 lks.
dist., marked T36S R25E S13 BT

A cedar, 5 ins. diam., bears S. 59° E., 34 lks.
dist., marked T36S R25E S24 BT

A cedar, 6 ins. diam., bears S. 44 $\frac{1}{2}$ ° W., 80 lks.
dist., marked T36S R25E S23 BT

A cedar, 6 ins. diam., bears N. 71 $\frac{3}{4}$ ° W., 84 lks.
dist., marked T36S R25E S14 BT

Land, rolling and broken bench facing NE and E.

. Subdivision of T. 36 S., R. 25 E.

Chains

Soil, shallow sandy loam, hard clay and rocky, on clay and sandstone bedrock.

Timber, dense cedar and pinon.

Undergrowth, scattering sagebrush.

Fair grazing land.

S. 89°45' E., on random line bet. secs. 13 and 24.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.78 Intersect E. bdy. of the tp., 14 lks. N. of the cor. of secs. 13-18-19 and 24, which is an iron post, 2 ins. dia., extending 12 ins. above ground, firmly set, properly marked and witnessed as described by the surveyor general. Thence,

N. 89°39' W., on true line bet. secs. 13 and 24.

Over rolling and broken bench land, through dense timber and short undergrowth; gradually desc. rolling SW. slope.

9.60 Small draw, 40 ft. below sec. cor., drains S.10°W.

27.00 A main draw, 60 ft. deep, drains S.30°W.; thence over S. and SE. slopes.

39.89 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

S13

$\frac{1}{4}$ ———

S24

1922

from which

A pinon, 8 ins. diam., bears S.5°E., 11 lks. dist., marked $\frac{1}{4}$ S24 BT

A pinon, 6 ins. diam., bears N.62°W., 28 lks. dist., marked $\frac{1}{4}$ S13 BT

71.00 Small draw, 75 ft. deep, drains SE.

79.78 The cor. of secs. 13-14-23 and 24, 40 ft. above $\frac{1}{4}$ sec. cor.

Land, rolling and broken bench or mesa top, facing SW. and S.

Soil, clay and sandy loam, and rocky.

Timber, dense cedar and pinon.

Subdivision of T. 36 S., R. 25 E.

Chains

251200

Undergrowth, scattering sagebrush. ~~rolling~~ ^{fair} grazing land.

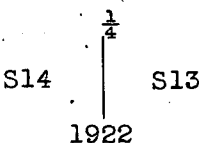
N. 0°01' W., bet. secs. 13 and 14.

Over rolling and broken land facing SE., through dense timber and short undergrowth; gradually ascending.

40.00

On gradual SE. slope, 145 ft. above sec. cor.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked



from which

A cedar, 12 ins. diam., bears S. 81° E., 49 lks.
dist., marked $\frac{1}{4}$ S13 BT

A cedar, 8 ins. diam., bears S. 79° W., 10 lks.
dist., marked $\frac{1}{4}$ S14 BT

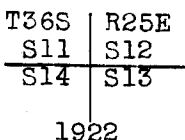
68.00

Thence along base of upper mesa, bears N. and SW.; over rough and rocky E. slope.

80.00

On steep E. slope, 180 ft. above $\frac{1}{4}$ sec. cor.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 11-12-13 and 14, with brass cap marked



from which

A pinon, 10 ins. diam., bears N. 78° E., 123 lks.
dist., marked T36S R25E S12 BT

A cedar, 12 ins. diam., bears S. 45 $\frac{1}{4}$ ° E., 141 lks.
dist., marked T36S R25E S13 BT

A cedar, 10 ins. diam., bears S. 39 $\frac{3}{4}$ ° W., 99 lks.
dist., marked T36S R25E S14 BT

A cedar, 8 ins. diam., bears N. 69° W., 78 lks.
dist., marked T36S R25E S11 BT

Land, rolling and broken; SE. exposure and drainage.

Soil, clay and sandy loam, and rocky.

Timber, dense cedar and pinon.

Undergrowth, scattering sagebrush.

Fair grazing land.

Chains

Set $89^{\circ}39'$ E. on random line bet. secs. 12 and 13.

Set temp. $\frac{1}{4}$ sec. cor.

Intersect E. bdy. of the tp., at the cor. of secs. 7-12-13 and 18, which is an iron post, 2 ins. dia., extending 12 ins. above ground, firmly set, properly marked and witnessed as described by the surveyor general.

Thence,

N. $89^{\circ}39'$ W., on true line bet. secs. 12 and 13.

Over rolling and broken land, through dense timber and scattering undergrowth; gradually desc. W. slope, 195 ft. to.

26.90 Draw, course S.; thence gradually asc. over rolling S. and SE. slopes.

39.89 On an E. slope, 80 ft. above draw, course

Set an iron post, 3 ft. long, 1 in. dia., 18 ins. in the ground to bedrock, and in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked

S12

$\frac{1}{4}$

S13

1922

from which

A cedar, 8 ins. diam., bears N. $89^{\circ}39'$ E., 42 lks. dist., marked $\frac{1}{4}$ S12 BT.

A cedar, 12 ins. diam., bears S. $65^{\circ}15'$ E., 22 lks. dist., marked $\frac{1}{4}$ S13 BT.

71.00 Small draw, 10 ft. deep, course SE.

79.78 The cor. of secs. 11-12-13 and 14, 90 ft. above sec. cor.

Land, rolling and broken; general southern exposure and drainage into Monument Canyon.

Soil, hard clay, shallow sandy loam and rocky; surface strewn with boulders.

Timber, dense cedar and pinon.

Undergrowth, scattered sagebrush.

Fair grazing land.

N. $0^{\circ}01'$ W., bet. secs. 11 and 12.

Subdivision of T. 36 S., R. 25 E.

Chains

Over abrupt face of mesa rim, through scattering timber and undergrowth; asc. abrupt, ledgy SE. slope, 205 ft.

12.50 S. rim of high mesa, bears N.50°E. and S.10°W.; thence over rolling top, through dense timber.

17.60 Trail, bears N.10°E. and S.10°W.

20.50 The W. rim of mesa top bears W. of line $\frac{1}{2}$ ch., bearing N.20°W. and S.20°W.; continue along top.

38.70 W. rim of mesa, bears N.20°E. and S.20°W.; desc. over abrupt, rocky NW. face of break.

40.00 On abrupt NW. slope, 30 ft. below rim.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

	$\frac{1}{4}$	
S11	|	S12
	1922	

from which

A cedar, 14 ins.diam., bears S.16°E., 50 lks.
dist., marked $\frac{1}{4}$ S12 BT

A cedar, 16 ins.diam., bears S.39 $\frac{1}{2}$ °W., 51 lks.
dist., marked $\frac{1}{4}$ S11 BT

46.25 Base of the abrupt mesa break, 215 ft. below edge, bears NE. and S $\frac{1}{2}$ W.; thence gradually desc. over rolling and rough bench sloping NW. towards Coal Bed Canyon.

72.55 Small draw, 415 ft. below $\frac{1}{4}$ sec. cor., course W.; thence along W. slope.

80.00 On gradual W. slope, 30 ft. above the draw.

Set an iron post, 3 ft. long, 2 ins. dia., 20 ins. in the ground to bedrock, and in a mound of stone, for cor. of secs. 1-2-11 and 12, with brass cap marked

T36S	R25E
S2	S1
S11	S12
1922	

from which

A pinon, 10 ins.diam., bears N.20 $\frac{3}{4}$ °E., 83 lks.
dist., marked T36S R25E S1BT

A pinon, 10 ins.diam., bears S.56°E., 27 lks.
dist., marked T36S R25E S12 BT

A cedar, 12 ins.diam., bears S.70 $\frac{1}{2}$ °W., 33 lks.
dist., marked T36S R25E S11 BT

A cedar, 12 ins.diam., bears N.54°W., 40 lks.
dist., marked T36S R25E S2 BT

S. 12½ chs. is abrupt S. face of high mesa break, draining south-easterly into Monument Canyon: next 26 chs. is rolling top of high mesa; remainder of mile is abrupt NW face of the mesa and rough bench land, lying bet. the mesa and Coal Bed Canyon.

Soil, rocky and clay, on rocky and clay subsoil, on the mesa top it is a shallow sandy loam lying on sandstone bedrock.

Timber, dense cedar and pinon.

Undergrowth, scattering sagebrush.

Fair grazing land.

S. 89°39' E., on random line bet. secs. 1 and 12.

40.00 Set temp. ¼ sec. cor.

79.86 Intersect E. bdy. of the tp., 19 lks. S. of the cor. of secs. 1-6-7 and 12, which is an iron post, 2 ins. dia., extending 12 ins. above ground, firmly set, properly marked and witnessed as described by the surveyor general. Thence,

N. 89°47' W., on true line, bet. secs. 1 and 12.

Over rolling top of high mesa, through dense timber and scattering undergrowth.

22.05 Dim road, bears NE. and SW.

39.93 On mesa top, slight N. slope.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked

S1

¼ ———

S12

1922

from which

A cedar, 10 ins.diam., bears N.8°E., 47 lks.
dist., marked ¼ S1 BT

A pinon, 7 ins.diam., bears S.12°E., 25 lks.
dist., marked ¼ S12 BT

43.40 W. brink of mesa top, bears NE. and SW.; desc. abrupt rocky NW. slope.

54.00 Base of the abrupt descent from mesa, bears NE. and SW.:

Subdivision of T. 36 S., R. 25 E.,

Chains	Bearing
79.86	<p>desc. more gradual over rough bench sloping W. The cor. of secs. 1-2-11 and 12, 500 ft. below rim of mesa.</p> <p>Land, E. 43.40 chs. is rolling top of the high mesa; soil, shallow sandy loam and outcrops of sandstone bedrock: remainder of mile is abrupt break of mesa and rough bench, facing W. and draining into Coal Bed Canyon.</p> <p>Timber, dense cedar and pinon, on mile. The soil of W. portion of mile is dark clay and rocky; surface strewn with large boulders.</p> <p>Undergrowth, scattering sagebrush.</p> <p>Fair grazing land.</p>
14.85	<p>N. 0°01' W., on true line, bet. secs. 1 and 2.</p> <p>Over broken top of bench sloping W., through dense timber and scant undergrowth.</p> <p>Edge of bench and S. rim of canyon, 30 ft. below sec. cor., bears NE. and S. 60° W.; desc. abrupt ledgy NW. slope, 275 ft. to</p>
24.70	<p>Narrow, rocky bottom of East Fork of Coal Bed Canyon, dry, course SW.; asc. rocky SE. slope, 150 ft. to</p>
30.11	<p>Intersect the 7th Standard Parallel South, 21.36 chs., East of the S.C. of secs. 35 and 36, which is an iron post, 3 ins. dia., extending 14 ins. above ground, firmly set, marked and witnessed as described by the surveyor general.</p>
	<p>At point of intersection,</p> <p>Set an iron post, 3 ft. long, 2 ins. dia., 4 ins. in the ground to bedrock, and in a large mound of stone, for the closing cor. of secs. 1 and 2, with brass cap marked</p>
	<p>T35S R25E S36 S2 S1 T36S R25E CC 1922</p>
	<p>from which</p>

Subdivision of T. 36 S., R. 25 E.

ains

A pinon, 6 ins. diam., bears S. 27° W., 34 lks.
dist., marked T36S R25E S2 CC BT
A cross (X) bears S. 38½° E., 23 lks. dist., marked
on sandstone boulder, 10x10x8 ft., marked thus

B/O
CC/SI

Cor. stands on abrupt SE. slope among rim ledges facing SE.

Land, rough and broken bench, cut by East Fork of Coal Bed Canyon, which joins the West Fork about 15 chs. to S.W. of closing cor.; and drains S.W.

Soil, rocky and shallow clay and sandy loam; surface strewn with boulders.

Timber, dense cedar and pinon.

Undergrowth, very scattering sagebrush.

Fair to poor grazing land.

From the true point for the cor. of secs. 2-3-34 and 35 on the S. bdy. of the tp., which is 20 lks. W. of the W.C., heretofore described.

Thence,

N. 0° 01' W., bet. secs. 34 and 35.

Over rough and broken land, through scattering timber and scant undergrowth; desc. abrupt, ledgy NW. canyon slope, 165 ft. to

8.50 Monument Canyon, channel 1 ch. wide, dry, rocky bottom, at bend from NW. to course S.W.; asc. along rocky W. slope, 50 ft. to

16.00 Top of the ascent on W. slope; desc. into bottom.

19.20 Recross bottom of Monument Canyon, course S. 30° W.; asc. abrupt, ledgy SE. slope; 560 ft. to

36.80 N. brink of the canyon and edge of bench, bears E. to NE., and W. to S.W.; thence over rolling top of bench or mesa, slight SE. exposure, through dense timber.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 12 ins. in the ground to bedrock, and in a mound of stone, for ¼ sec. cor., with brass cap marked

Chains

S34

S35

1922

from which

A cedar, 14 ins.diam., bears S. $89\frac{1}{2}^{\circ}$ W., 45 lks.
dist., marked $\frac{1}{4}$ S34 BT

A cedar, 6 ins.diam., bears S. $28\frac{1}{2}^{\circ}$ E., 38 lks.
dist., marked $\frac{1}{4}$ S35 BT

77.50 Top of slight raise, 95 ft. above $\frac{1}{4}$ sec. cor., bears NW.
and SE.; thence over E. slope, desc. 10 ft. to

80.00 On a gradual E. slope:

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in
the ground, for cor. of secs. 26-27-34 and 35, with
brass cap marked

T36S	R25E
S27	S26
S34	S35

1922

from which

A pinon, 8 ins.diam., bears N. $62\frac{1}{2}^{\circ}$ E., 46 lks.
dist., marked T36S R25E S26 BT

A cedar, 10 ins.diam., bears S. 55° E., 58 lks.
dist., marked T36S R25E S35 BT

A pinon, 12 ins.diam., bears S. 54° W., 55 lks.
dist., marked T36S R25E S34 BT

A pinon, 8 ins.diam., bears N. $49\frac{3}{4}^{\circ}$ W., 54 lks.
dist., marked T36S R25E S27 BT

S. 36.80 chs. is abrupt canyon slopes broken by rim
ledges; soil, rocky with shallow clay and sandy loam;
covered with scattering cedar and pinon; remainder of
mile is rolling top of bench, slight SE. exposure into
Monument Canyon; soil, shallow sandy loam, lying on
sandstone bedrock or clay; covered with dense cedar
and pinon and scattered sagebrush.

Fair grazing land.

S. $89^{\circ}58'$ E., on random line bet. secs. 26 and 35.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.00 Intersect the cor. of secs. 25-26-35 and 36; thence
N. $89^{\circ}58'$ W., on true line bet. secs. 26 and 35.

Over rolling bench land facing W., through dense timber

Subdivision of T. 36 S., R. 25 E.

Chains

and scattered undergrowth; gradually descending.

40.00

On a slight N. slope, 145 ft. below sec. cor.

Set an iron post, 3 ft. long, 1 in. dia., 4 ins. in the ground to bedrock, and in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked

S26

$\frac{1}{4}$

S35
1922

from which

A cedar, 10 ins. diam., bears S. $46\frac{1}{2}^{\circ}$ E., 56 lks. dist., marked $\frac{1}{4}$ S35 BT

A pinon, 6 ins. diam., bears N. 20° W., 41 lks. dist., marked $\frac{1}{4}$ S26 BT

48.60

E. brink of Monument Canyon, bears N. for 2 chs., thence NE., and S.; desc. abrupt W. slope over series of sandstone ledges, 10 to 40 ft. high, 450 ft. to

64.40

Bottom of Monument Canyon, 1 ch. wide, dry, rocky, course S. 10° E.; asc. abrupt E. slope over ledges, 430 ft. to

76.50

W. brink of the canyon, bears N. and S. 30° E.; thence over top of bench, slight E. slope.

80.00

The cor. of secs. 26-27-34 and 35.

Land, rolling benches on E. and W. portions of mile, cut by Monument Canyon, with abrupt broken slopes, draining S.

Soil, shallow sand, clay and rocky, lying on sandstone bedrock or hard clay.

Timber, dense cedar and pinon.

Undergrowth, scattering sagebrush.

Fair to poor grazing land.

N. $0^{\circ}01'$ W., bet. secs. 26 and 27.

Over rolling bench land facing E., through dense timber and scattering undergrowth; gradually asc. 70 ft. to

22.00

Top of raise, bears E. and W.; desc. 40 ft. to

25.00

Draw, course S. 60° E.; asc. 70 ft. to

40.00

On top of raise, bears N. 70° W. and S. 70° E.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the

Subdivision of T. 36 S., R. 26 E.

Chains

S27

S27

S26

1922

from which

A cedar, 10 ins.diam., bears S. $13\frac{1}{2}^{\circ}$ E., 26 lks.
dist., marked $\frac{1}{4}$ S26 BTA pinon, 10 ins.diam., bears S. $85\frac{1}{2}^{\circ}$ W., 113 lks.
dist., marked $\frac{1}{4}$ S27 BT

Gently descending over rolling E. slope, 80 ft. to

57.55 Draw, course S. 80° E.; asc. SW. slope, 135 ft. to

74.40 Top of raise, bears E. and W.; continue over E. slope.

79.70 Wash, 10 ft. deep, 20 lks. wide, course N. 80° E.

80.00 On a SE. slope, 20 ft. below raise.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in
the ground, for cor. of secs. 22-23-26 and 27, with
brass cap marked

T36S	R25E
S22	S23
S27	S26

1922

from which

A cedar, 16 ins.diam., bears N. $16\frac{1}{2}^{\circ}$ E., 34 lks.
dist., marked T36S R25E S23 BTA cedar, 8 ins.diam., bears S. $55\frac{1}{4}^{\circ}$ E., 11 lks.
dist., marked T36S R25E S26 BTA cedar, 8 ins.diam., bears S. $55\frac{1}{4}^{\circ}$ W., 100 lks.
dist., marked T36S R25E S27 BTA cedar, 10 ins.diam., bears N. $50\frac{1}{4}^{\circ}$ W., 57 lks.
dist., marked T36S R25E S22 BTLand, rolling and broken bench, sloping E. and SE.
towards Monument Canyon.Soil, hard clay, shallow sandy loam and rocky; sandstone
formation.

Timber, dense cedar and pinon.

Undergrowth, scattering sagebrush. Fair grazing land.

S. $89^{\circ}58'$ E., on random line, bet. secs. 23 and 26.40.00 Set temp. $\frac{1}{4}$ sec. cor.80.00 Intersect N. and S. line, 2 lks. N. of the cor. of secs.
23-24-25 and 26. ThenceN. $89^{\circ}57'$ W., on true line, bet. secs. 23 and 26.

Subdivision of T. 36 S., R. 25 E.

Chains

Over rolling and broken land, facing generally S., through dense timber and short undergrowth; gradually asc.

25.40 Top of raise, 70 ft. above sec. cor., bears N. and S.; gradually desc. rolling W. slope.

40.00 On slight W. slope, 50 ft. below raise.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

S23

$\frac{1}{4}$ ———

S26

1922

from which

A cedar, 14 ins. diam., bears S. $2\frac{1}{4}^{\circ}$ W., 31 lks. dist., marked $\frac{1}{4}$ S26 BT

A pinon, 6 ins. diam., bears N. 78° W., 31 lks. dist., marked $\frac{1}{4}$ S23 BT

45.60 E. rim of draw, 10 ft. below $\frac{1}{4}$ sec. cor., bears N. and S.; desc. steep, rocky W. slope, 130 ft. to

54.90 Bottom of draw, course S.; asc. steep E. slope, 110 ft.

59.50 W. rim of the draw, bears N. and S.; thence gradually asc. rolling S. slope, 55 ft. to

69.00 Top of slight raise, bears NW. and S.

79.00 Wash, 20 lks. wide, 10 ft. deep, course N. 80° E.

80.00 The cor. of secs. 22-23-26 and 27.

Land, rolling and broken bench or mesa, having a S. and SE. exposure and drainage towards Monument Canyon.

Soil, shallow, loose reddish sand, hard clay and rocky, on clay and rock subsoil; sandstone formation.

Timber, dense cedar and pinon. Fair grazing land.

Undergrowth, scattered sagebrush.

N. $0^{\circ}01'$ W., bet. secs. 22 and 23.

Over rolling land facing E., through dense timber and scattering undergrowth; along rolling E. slope, slightly ascending.

18.15 Leave all but few scattered trees and heavier undergrowth, bears E. and W.

Chains

30.75 Wash, 10 lks. wide, 5 ft. deep, in swale, near head,
drains SE.; thence over gentle SE. slope.

40.00 On gentle S. slope, 70 ft. above sec. cor.

Set an iron post, 3 ft. long, 1 in. dia., 16 ins. in
the ground to hardpan, and in a large mound of stone,
for $\frac{1}{4}$ sec. cor., with brass cap marked

S22

S23

1922

from which

A cedar, 5 ins.diam., bears S. $75\frac{1}{2}^{\circ}$ W., 116 lks.
dist., marked $\frac{1}{4}$ S22/BT

A cedar, 6 ins.diam., bears N. $84\frac{1}{2}^{\circ}$ E., 96 lks.
dist., marked $\frac{1}{4}$ S23/BT

64.30 A main trail, bears N. 30° E. and S. 30° W.

66.00 Enter dense timber, bears E. and W.

70.00 Top of flat raise, forming divide bet. Monument and
Coal Bed Canyons, 100 ft. above $\frac{1}{4}$ sec. cor., bears
N. 30° E. and S. 30° W.; thence over gentle NW. slope,
desc. 40 ft. to

80.00 On gentle N. slope.

Set an iron post, 3 ft. long, 2 ins. dia., 18 ins. in
the ground to underlying rock, and in a mound of stone,
for the cor. of secs. 14-15-22 and 23, with brass cap
marked

T36S	R25E
S15	S14
S22	S23

1922

from which

A cedar, 10 ins.diam., bears N. $73\frac{1}{2}^{\circ}$ E., 90 lks.
dist., marked T36S R25E S14/BT

A cedar, 6 ins.diam., bears S. 55° E., 21 lks.
dist., marked T36S R25E S23/BT

A cedar, 8 ins.diam., bears S. $34\frac{1}{2}^{\circ}$ W., 30 lks.
dist., marked T36S R25E S22/BT

A cedar, 12 ins.diam., bears N. 48° W., 225 lks.
dist., marked T36S R25E S15/BT

Land, rolling with SE. and NW. exposures.

Soil, shallow sandy and clay loam, lying on hard clay
or rock subsoil.

Timber, dense and scattering cedar and pinon.

Subdivision of T. 36 N. R. 25 E.

Chains

Undergrowth, scattering to medium growth of sagebrush.
Fair to good grazing land.

S. $89^{\circ}57'$ E., on random line bet. secs. 14 and 23.

39.29 Set temp. point for W. C. $\frac{1}{4}$.

79.98 Intersect N. and S. line, 25 lks. N. of the cor. of secs. 13-14-23 and 24. Thence,

N. $89^{\circ}46'$ W., on true line, bet. secs. 14 and 23.

Over rolling land, through medium dense timber and short undergrowth.

4.10 Bottom of swale, drains SE.; thence gradually asc. E. and NE. slope, 50 ft. to

19.30 Low irregular ridge of bench, bears N. and S.; gradually desc. E. slope.

30.00 Leave medium dense, enter very scattered timber, bears N. and S.; thence slight descent over swale.

39.99 True point for $\frac{1}{4}$ sec. cor. falls in bottom of wash, 20 lks. wide, 12 ft. deep, course S., 110 ft. below ridge. It is impracticable to set cor. here, therefore at

40.69 On W. bank of the wash, and in E. edge of dense timber. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for witness cor. to the $\frac{1}{4}$ sec. cor., with brass cap marked

$$\begin{array}{r} S14 \\ \frac{1}{4} \text{ --- } WC \\ S23 \\ 1922 \end{array}$$

from which

A cedar, 9 ins. diam., bears S. $44\frac{1}{2}^{\circ}$ W., 38 lks. dist., marked WC $\frac{1}{4}$ S23 BT

A cedar, 9 ins. diam., bears N. 68° W., 40 lks. dist., marked WC $\frac{1}{4}$ S14 BT

Gradually asc. SE. slope, 50 ft. to

52.40 Slope changes to a gradual S., gently desc. to

63.50 A main trail on low ridge forming divide bet. Monument and Coal Bed Canyons, bears N. and S. 10° W.; gradually desc. NW. slope, 50 ft. to sec. cor.

Chains

79.92

The cor. of secs. 14-15-22 and 23.

Land, rolling bench or mesa, having a SE. and S. exposure and drainage on the E. 65° chs., and to W. on remainder.

Soil, shallow clay and sandy loam, with scattered rocks lying on clay or rock subsoil.

Timber, dense and scattering cedar and pinon.

Undergrowth, scattered to medium growth of sagebrush.

Fair to good grazing land.

N. 0°01' E., bet. secs. 14 and 15.

Over rolling and broken land facing W. towards Coal Bed Canyon, through medium dense timber and short undergrowth.

0.92 Shallow draw, 5 ft. below sec. cor., course W.; asc. 40 ft.

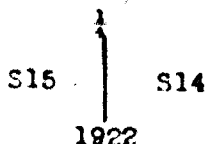
15.00 Top of flat bench spur, projects S. 80° W.; desc. N. slope

25.70 Draw, 70 ft. below spur, course W.; asc. 90 ft. to

37.20 N. rim of the draw, bears NW. and E.; thence over flat bench.

40.00 On bench, slight SW. exposure.

Set an iron post, 3 ft. long, 1 in. dia., 8 ins. in the ground to bedrock, and in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked



from which

A pinon, 8 ins. diam., bears N. 72° E., 78 lks.
dist., marked $\frac{1}{4}$ S14 BT
A pinon, 5 ins. diam., bears N. 70° W., 68 lks.
dist., marked $\frac{1}{4}$ S15 BT

43.70 Begin descent over rolling N. slope, 135 ft. to

50.55 Draw, course E.; asc. gradually 35 ft. to

59.25 Edge of bench and brink of Coal Bed Canyon, bears N. 20° and W. to NW.; desc. over abrupt rocky NW. and W. slope 125 ft. to cor.

Subdivision of T. 36 S., R. 25 E.

Chains

69.95 Trail into canyon bottom, bears NW. and SE.

80.00 On abrupt W. slope.

Set an iron post, 3 ft. long, 2 ins. dia., 18 ins. in the ground to bedrock, and in a mound of stone, for cor. of secs. 10-11-14 and 15, with brass cap marked

T36S	R25E
S10	S11
S15	S14

1922

from which

A pinon, 12 ins.diam., bears N.36°E., 95 lks.
dist., marked T36S R25E S11 BT

A pinon, 10 ins.diam., bears S.30 $\frac{1}{2}$ °E., 83 lks.
dist., marked T36S R25E S14 BT

A cedar, 8 ins.diam., bears S.32 $\frac{1}{2}$ °W., 32 lks.
dist., marked T36S R25E S15 BT

A cedar, 8 ins.diam., bears N.32 $\frac{1}{2}$ °W., 23 lks.
dist., marked S10 $\frac{1}{2}$ BT (too scrubby)

Land, broken and rolling bench sloping W., cut by short draws, draining W. into Coal Bed Canyon.

Soil, shallow sandy and clay loam and rocky; sandstone formation.

Timber, medium dense cedar and pinon.

Undergrowth, medium growth of short sagebrush.

Fair grazing land.

S. 89°46' E., on random line, bet. secs. 11 and 14.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.98 Intersect N. and S. line, 14 lks. S. of the cor. of secs. 11-12-13 and 14. Thence,

N. 89°52' W., on true line, bet. secs. 11 and 14.

Over rough and broken land, through medium dense timber and short undergrowth; asc. abrupt, rocky E. face of mesa break, 160 ft. to

4.20 E. brink of mesa, bears N. and S.: thence over rolling top of high mesa, through heavier timber.

9.90 A main trail, bears N.10°E. and S.10°W.

10.90 W. brink of the mesa top, bears N.15°E. and S.70°W.; desc. abrupt rocky NW. face of break, 300 ft. to

Subdivision of T. 36 N., R. 25 E.

Chains	
27.50	Base of the break, bears NE. and S.; continues a gradual descent over broken top of bench, sloping NE. 00.08
39.99	On a W. slope, 420 ft. below top of mesa. Set an iron post, 3 ft. long, 1 in. dia., 10 ins. in the ground to bedrock, and in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked S11 $\frac{1}{4}$ ——— S14 1922 from which. A cedar, 14 ins. diam., bears S. $53\frac{1}{2}^{\circ}$ E., 116 lks. dist., marked $\frac{1}{4}$ S14 BT A cedar, 12 ins. diam., bears N. $45\frac{1}{4}^{\circ}$ W., 138 lks. dist., marked $\frac{1}{4}$ S11 BT
78.30	Edge of bench and brink of Coal Bed Canyon, 210 ft. below $\frac{1}{4}$ sec. cor., bears N. and S.; desc. abrupt, ledgy W. canyon slope, 55 ft. to
79.98	The cor. of secs. 10-11-14 and 15. Land, rough and broken; the SW. point of high mesa crosses the E. portion of mile; the country slopes off SE. towards Monument, and NW. towards Coal Bed Canyon from mesa. Soil, rocky, clay and shallow sandy loam. Timber, dense cedar and pinon. Undergrowth, medium to scattered sagebrush. Fair grazing land.
	N. $0^{\circ}01'$ W., bet. secs. 10 and 11. Over rough broken land, through medium dense timber and scattering undergrowth; desc. abrupt, ledgy NW. canyon slope, 230 ft. to
7.00	Wash, 1 ch. wide, sandy bottom, containing a small seep of good water, in bottom of Coal Bed Canyon, course SW.
10.00	Recross canyon bottom, course SE.
16.80	Recross canyon bottom, course S. 30° W.
19.70	Leave canyon bottom, bears NE. and S. 30° W.; thence

Subdivision of T. 36 S., R. 25 E.

Chains

ever rough SE. slope, asc. 330 ft. to
 40.00 On top of spur, projects E. about 10 chs. dist. to end.
 Set an iron post, 3 ft. long, 1 in. dia., 6 ins. in the
 ground to bedrock, and in a mound of stone, for the $\frac{1}{4}$
 sec. cor., with brass cap marked

$\frac{1}{4}$
 S10 | S11
 1922

from which

A pinon, 6 ins. diam., bears S. 17° E., 57 lks.
 dist., marked $\frac{1}{4}$ S11 BT
 A cedar, 14 ins. diam., bears N. 79° W., 78 lks.
 dist., marked $\frac{1}{4}$ S10 BT.

42.00 Begin descent over NE. slope, 185 ft. to
 52.00 Draw, course SE.; asc. broken SE. slope, 330 ft. to
 80.00 On a gradual SE. slope.
 Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in
 the ground, for cor. of secs. 2-3-10 and 11, with brass
 cap marked

T36S | R25E
 S3 | S2
 S10 | S11
 1922

from which

A cedar, 8 ins. diam., bears N. 41° E., 36 lks.
 dist., marked T36S R25E S2 BT
 A cedar, 6 ins. diam., bears S. 47° E., 20 lks.
 dist., marked T36S R25E S11 BT
 A cedar, 10 ins. diam., bears S. 30° W., 56 lks.
 dist., marked T36S R25E S10 BT
 A cedar, 14 ins. diam., bears N. 70° W., 33 lks.
 dist., marked T36S R25E S3 BT

Land, rough and broken; exposure NW. and SE. into Coal
 Bed Canyon, draining SW.

Soil, rocky, clay and sandy loam; surface strewn with
 boulders; sandstone formation.

Timber, medium dense cedar and pinon.

Undergrowth, scattering sagebrush. Fair to poor grazing.

S. $89^{\circ}52'$ E., on random line bet. secs. 2 and 11.

40.00 Set temp. $\frac{1}{4}$ sec. cor,

Subdivision of T. 36 S., R. 25 E.

Chains	
80.02	Intersect N. and S. line, 7 lks. S. of the cor. of secs. 1-2-11 and 12. Thence, N. 89°55' W., on true line, bet. secs. 2 and 11. Over rough bench land facing W., through dense timber and scattering undergrowth; gradually desc. broken W. and NW. slope, 430 ft. to
34.00	Bottom of Coal Bed Canyon, 1 ch. wide, dry, course SW.; asc. abrupt SE. slope.
40.01	On SE. slope, 185 ft. above bottom. Set an iron post, 3 ft. long, 1 in. dia., 18 ins. in the ground to bedrock, and in a mound of stone, for the $\frac{1}{4}$ sec. cor., with brass cap marked <div style="text-align: center;">S2 $\frac{1}{4}$ ————— S11 1922</div> from which <div style="margin-left: 100px;">A cedar, 12 ins. diam., bears N. 52° E., 44 lks. dist., marked $\frac{1}{4}$ S2 BT A cedar, 14 ins. diam., bears S. 10° W., 60 lks. dist., marked $\frac{1}{4}$ S11 BT</div>
52.20	Top of abrupt ascent from canyon, 205 ft. above $\frac{1}{4}$ sec. cor., bears NE. and SW.; thence more gradual ascent over broken SE. slope of 65 ft. to
80.02	The cor. of secs. 2-3-10 and 11. Land, rough and broken; NW. and SE. slopes into Coal Bed Canyon, draining SW. Soil, rocky with shallow clay and sandy loam; surface strewn with large sandstone boulders. Timber, dense cedar and pinon. Undergrowth, scattered short sagebrush. Fair to poor grazing land.
29.98	N. 0°01' W., on true line, bet. secs. 2 and 3. Over rough and broken land facing SE., through dense timber and scant undergrowth; gradually asc. 225 ft. to Intersect the Seventh Standard Parallel South, on S. bdy. of sec. 35, East, 21.12 chs. dist. of the S.C.

Subdivision of T. 36 S., R. 25 E.

Chains

of secs. 34 and 35, which is an iron post, 3 ins. dia., extending 12 ins. above ground, firmly set, properly marked and witnessed as described by the surveyor general. At point of intersection,

Set an iron post, 3 ft. long, 2 ins. dia., 4 ins. in the ground to bedrock, and in a large mound of stone, for the closing cor. of secs. 2 and 3, with brass cap marked

T35S R25E	
S35	
S3	S2
T36S	R25E
CC	
1922	

from which

A cedar, 6 ins. diam., bears S. $21\frac{1}{4}^{\circ}$ E., 59 lks.

dist., marked T36S R25E S2 CC BT

A pinon, 8 ins. diam., bears S. 42° W., 37 lks.

dist., marked T36S R25E S3 CC BT

Land, rough and broken; exposure and drainage SE. into Coal Bed Canyon.

Soil, rocky, dark clay, and some shallow sandy loam; surface strewn with large black sandstone boulders.

Timber, dense cedar and pinon.

Undergrowth, scattered sagebrush.

Poor grazing land.

From the cor. of secs. 3-4-33 and 34 on S. bdy. of the tp., heretofore described.

N. $0^{\circ}02'$ W., bet. secs. 33 and 34.

Over rolling land, through dense timber and medium undergrowth; gradually asc. rolling SE. and E. slopes.

9.80 A stock trail, bears NE. and S. 60° W.

40.00 On SE. slope, 150 ft. above sec. cor.

Set an iron post, 3 ft. long, 1 in. dia., 5 ins. in the ground to bedrock, and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$	
S33	S34
1922	

Subdivision of T. 36 S., R. 25 E.

chains

coland

from which

A pinon, 8 ins.diam., bears S.58°E., 47 lks.
dist., marked $\frac{1}{2}$ S34° BT

A pinon, 6 ins.diam., bears N.19 $\frac{1}{2}$ °W., 50 lks.
dist., marked $\frac{1}{2}$ S33° BT

58.00 Top of low ridge on bench, 45 ft. above $\frac{1}{2}$ sec. cor., az
bears N.20°E. and S.10°W.: thence along rolling W. and
S. slope.

59.00 On a S. slope, level with ridge.

Set an iron post, 3 ft. long, 2 ins. dia., 6 ins. in
the ground to bedrock, and in a large mound of stone,
for cor. of secs. 27-28-33 and 34, with brass cap
marked

T36S	R25E
S28	S27
S33	S34

1922

from which

A pinon, 7 ins.diam., bears N.74 $\frac{1}{2}$ °E., 26 lks.
dist., marked T36S R25E S27 BT

A cedar, 8 ins.diam., bears S.35 $\frac{1}{2}$ °E., 111 lks.
dist., marked T36S R25E S34 BT

A cedar, 6 ins.diam., bears S.71 $\frac{1}{2}$ °W., 75 lks.
dist., marked T36S R25E S33 BT

A cedar, 10 ins.diam., bears N.31 $\frac{1}{2}$ °W., 82 lks.
dist., marked T36S R25E S28 BT

Land, rolling bench or mesa: exposure SE. and SW.

Soil, rocky, shallow sandy and clay loam, lying on
rocky clay subsoil: red sandstone formation.

Timber, dense cedar and pinon.

Undergrowth, short sagebrush. Fair grazing land.

C. 40°30' E., on random line, bet. secs. 27 and 34.

4. at temp. 1 sec. cor.

7. 1.44 Intersect C. and D. line, 9 lks. S. of the cor. of secs.
27-28-33 and 34. Thence,

C. 40°30' E., on true line, bet. secs. 27 and 34.

Over rolling bench land, through dense timber and
medium undergrowth: gradually asc. E. slope.

2. Low raise, bears NW. and SE.: thence over rolling SE.
and S. slopes.

Chains

29.97

On a gradual SE. slope, 50 ft. above sec. cor.

Set an iron post, 3 ft. long, 1 in. dia., 6 ins. in the ground to bedrock, and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked

S27

$\frac{1}{4}$

S34

1922

from which

A cedar, 5 ins. diam., bears N. 94° E., 36 lks. dist., marked $\frac{1}{4}$ S27 BT

A cedar, 5 ins. diam., bears S. 7° W., 114 lks. dist., marked $\frac{1}{4}$ S34 BT

Continue slight ascent over broken and rocky S. slope.

59.60

Low flat ridge, 35 ft. above $\frac{1}{4}$ sec. cor., bears N. 30° E.

about 20 chs. to SW. point of high butte, and bears SW.; gradually desc. broken SW. slope, 45 ft. to

79.94

The cor. of secs. 27-28-33 and 34.

Land, rolling and broken bench or mesa, having a general southern exposure and drainage.

Soil, shallow sandy and clay loam, and rocky; lying on clay or rock subsoil; numerous boulders on surface on W. $\frac{1}{2}$ mile.

Timber, dense cedar and pinon.

Undergrowth, considerable short sagebrush.

Fair to good grazing land.

N. $0^{\circ}02'$ W., bet. secs. 27 and 28.

Over broken land, through dense timber and scattering undergrowth; gently ascending along a rough and broken W. slope.

17.45

Point from which the SW. point, of top high butte, bears N. 83° E., approximately 18 chs. dist.

40.00

On W. slope, 70 ft. above sec. cor.

Set an iron post, 3 ft. long, 1 in. dia., 18 ins. in the ground to bedrock, and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked

S28

S27

1922

Chains

from which

A pinon, 6 ins. diam., bears S. 70° E., 76 lks.
dist. marked $\frac{1}{4}$ S27 BT

A cedar, 10 ins. diam., bears N. 76° W., 22 lks.
dist. marked $\frac{1}{4}$ S28 BT

46.00 Leave dense, enter scattering timber and heavier undergrowth, also leave nearly all rocky land, bearing NE. and SW.

54.00 Flat raise forming divide bet Monument and Coal Bed Canyons, level with $\frac{1}{4}$ sec. cor., bears E. to butte, and W.; thence over gently rolling land facing NW.

63.60 A main trail, bears NE. and SW.

80.00 On gentle NE. exposure, 40 ft. below $\frac{1}{4}$ sec. cor.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 21-22-27 and 28, with brass cap marked

T36S	R25E
S21	S22
S28	S27

1922

from which

A cedar, 6 ins. diam., bears N. 40 $\frac{1}{2}$ ° E., 71 lks.
dist. marked T36S R25E S22 BT

A cedar, 6 ins. diam., bears S. 16 $\frac{1}{2}$ ° E., 361 lks.
dist. marked T36S R25E S27 BT

A cedar, 10 ins. diam., bears S. 45° W., 312 lks.
dist. marked T36S R25E S28 BT

A cedar, 16 ins. diam., bears N. 38° W., 105 lks.
dist. marked T36S R25E S21 BT

Land, rough, broken and gently rolling bench or mesa, sloping SW. and NW., lying at W. base of high butte.

Soil, rocky and hard clay, on southern portion; clay and sandy loam on northern portion; surface strewn with large sandstone boulders on southern portion of mile.

Timber, dense to scattered cedar and pinon.

Undergrowth, scattering and medium growth of sagebrush.

Fair grazing land.

00.00

N. 89° 58' E., on random line bet. secs. 22 and 27.

40.00 Set temp. $\frac{1}{4}$ sec. cor. and dist. to line S.

79.96 Intersect N. and S. line, 2 lks. S. of the cor. of sec.

V32 332

22-23-26 and 27

Subdivision of T. 36 S., R. 25 E.

Chains	
	S. 89°57' W., on true line, bet. secs. 22 and 27.
	Over rolling and broken land, through dense timber and scattering undergrowth; gradually asc. rolling E. slope.
10.50	Leave dense, enter scattering timber and heavier undergrowth, bears N. and S.
31.00	Top of ascent on N. slope, ridge forming divide bet. Monument and Coal Bed Canyons, bears N. and ascends S. towards high butte; thence gradually desc. NW. and W. slopes.
39.98	On NW. slope, 55 ft. below ridge.
	Set an iron post, 3 ft. long, 1 in. dia., 18 ins. in the ground to bedrock, and in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked
	S22
	$\frac{1}{4}$ ———
	S27
	1922
	from which
	A cedar, 10 ins. diam., bears S. 25° W., 65 lks. dist., marked $\frac{1}{4}$ S27 BT
	A cedar, 8 ins. diam., bears N. 64° W., 245 lks. dist., marked $\frac{1}{4}$ S22 BT
53.50	Leave nearly all timber, and rocky ground, enter heavier undergrowth, bears NE. and SW.; continue gentle descent over W. slope.
68.90	A main trail, bears NE. and SW.
79.96	The cor. of secs. 21-22-27 and 28, 35 ft. below $\frac{1}{4}$ cor. Land, rolling and broken; exposure and drainage E. and W.
	Soil, rocky, clay, and shallow sandy loam.
	(Timber, dense to scattering cedar and pinon.
	(Undergrowth, scattering to heavy sagebrush.
	Fair grazing land.
	<hr/>
	N. 0°02' W., bet. secs. 21 and 22.
	Over gently rolling land, through scattering timber and dense, short undergrowth; gently desc. 15 ft. to

Subdivision of T. 36 S., R. 25 E.

Chains

10.90 Wash, 20 lks. wide, 4 ft. deep, in shallow swale, drains W.; thence over slight S. and SW. exposures.

24.00 Enter dense timber and less undergrowth, bears E. and W.

40.00 On nearly level land, 70 ft. above sec. cor.
Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

1 | S21	S22
1922	

from which

A cedar, 10 ins.diam., bears S. $27\frac{1}{2}^{\circ}$ W., 45 lks.
dist., marked $\frac{1}{4}$ S21 BT

A cedar, 8 ins.diam., bears N. $74\frac{1}{2}^{\circ}$ E., 54 lks.
dist., marked $\frac{1}{4}$ S22 BT

43.00 Thence over slight N. slope.

56.80 N. edge of mesa top and S. brink of Coal Bed Canyon,
bears N. 60° W. and E.; desc. steep N. slope, 90 ft. to

72.50 Lower canyon rim, bears NW. and S. 80° E.; desc. abrupt,
ledgy N. and NW. slope, 250 ft. to cor.

80.00 On steep NW. slope, near canyon bottom.

Set an iron post, 3 ft. long, 2 ins.dia., 20 ins. in the ground to bedrock, and in a mound of stone, for cor. of secs. 15-16-21 and 22, with brass cap marked

T36S	R25E
S16	S15
S21	S22

1922

from which

A cedar, 7 ins.diam., bears N. $20\frac{1}{2}^{\circ}$ E., 37 lks.
dist., marked T36S R25E S15 BT

A cedar, 12 ins.diam., bears S. 62° E., 54 lks.
dist., marked T36S R25E S22 BT

A cedar, 8 ins.diam., bears S. 37° W., 9 lks.
dist., marked T36S R25E S21 BT

A cedar, 14 ins.diam., bears N. 59° W., 23 lks.
dist., marked T36S R25E S16 BT

S. 56.80 chs. is gently rolling mesa top, exposure to W; soil, shallow sandy and clay loam, on hard clay and rocky subsoil: remainder of mile is abrupt N. slope of canyon; soil, rocky in form of ledges, with shallow clay.

Subdivision of T. 36 S., R. 26 E.

Chains

- about timber, dense on N. 56 chs., and scattering on S. 24 chs., cedar and pinon.
- Undergrowth; medium growth of sagebrush.
-
- N. $89^{\circ}57'$ E., on random line, bet. secs. 15 and 22.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.00 Intersect N. and S. line, 7 lks. N. of the cor. of secs. 14-15-22 and 23. Thence,
West, on true line, bet. secs. 15 and 22.
- Over rough and broken land, through dense timber and short undergrowth; gradually desc. along N. and NW. slope, 95 ft. to
- 25.10 Small draw, course S. 70° W.; thence along broken S. slope.
- 34.80 Top of ascent on S. slope, 15 ft. above the draw, projects S. 2 chs. to draw; desc. along S. slope.
- 40.00 On S. slope, 60 ft. below top of ascent, and about $1\frac{1}{2}$ chs. N. of draw.
- Set an iron post, 3 ft. long, 1 in. dia., 8 ins. in the ground to bedrock, and in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked
- S15

$\frac{1}{4}$ ———

S22

1922.
- from which
- A cedar, 12 ins. diam., bears S. 34° W., 28 lks. dist., marked $\frac{1}{4}$ S22 BT
- A pinon, 6 ins. diam., bears N. $63\frac{1}{2}^{\circ}$ W., 38 lks. dist., marked $\frac{1}{4}$ S15 BT
- 45.30 Rim of draw, bears NW. and S. 70° E.; desc. abrupt, rocky SW. slope.
- 48.00 Bottom of draw, 130 ft. below $\frac{1}{4}$ cor., course N. 70° W.; asc. along steep, rocky N. slope, 65 ft. to
- 52.95 Top of ascent on N. slope, 1 ch. N. of canyon rim, bearing S. 60° W. and S. 70° E.; desc. along abrupt, ledgy N. and NW. slope, 265 ft. to
- 67.000 Bottom of Coal Bed Canyon, 1 ch. wide, dry, rocky

Subdivision of T. 36 S., R. 25 E.

Chains

- channel, course S., from NE.; scattered cottonwoods along banks; asc. abruptly over ledges 60 ft. to
- 69.25 Rocky spur, projects S. 8 chs. dist. to end, and ascends to N.; desc. W. slope, 85 ft. to
- 72.30 Recross bottom of Coal Bed Canyon, course NW.; asc. rocky NE. slope, 110 ft. to
- 78.35 Top of ascent on N. slope; desc. steep W. slope, 25 ft.
- 80.00 The cor. of secs. 15-16-21 and 22.
- Land, rough and broken, bench or mesa land and canyon slopes.
- Soil, rocky, clay and shallow sandy loam; sandstone formation.
- Timber, dense cedar and pinon, few cottonwoods.
- Undergrowth, scattered short sagebrush, some service on N. canyon slopes.
- Fair grazing on bench.

N. 0°02' W., bet. secs. 15 and 16.

- Over rough and broken land, through dense timber and scattered undergrowth; desc. abrupt NW. slope, 95 ft.
- 2.85 Bottom of Coal Bed Canyon, 1 ch. wide, dry; rocky channel, course SW.; asc. abrupt ledgy S. slope, 340 ft.
- 11.10 N. brink of canyon, bears E. and W.; thence over rolling mesa top, gradually asc. 115 ft. to
- 27.00 Top of raise on mesa, bears E. and W.; thence along a broken E. slope.
- 40.00 True point for $\frac{1}{4}$ sec. cor. falls on broken NE face of sandstone boulder where it is impossible to set post, therefore at
- 40.20 Set an iron post, 3 ft. long, 1 in. dia., 18 ins. in the ground to bedrock, and in a mound of stone, for witness cor. to the $\frac{1}{4}$ sec. cor., with brass cap marked

S16 $\frac{1}{4}$ S15
W/C
1922

from which

Subdivision of T. 36 S., R. 26 E.

Chains

A cedar, 8 ins. diam., bears N. 92° E., 68 lks.
dist., marked WC $\frac{1}{4}$ S15 PT
A pinon, 10 ins. diam., bears N. 72° W., 93 lks.
dist., marked WC $\frac{1}{4}$ S15 PT

Cor. stands on a rocky E. slope, near W. brink of Coal
Bed Canyon, 25 ft. below top at 27 chs.

41.40 Begin gradual descent over E. slope, 50 ft. to

49.45 Shallow draw, course SE.; gradually asc. S. and SE.
slope, 100 ft. to

80.00 On a slight SE. exposure.

Set an iron post, 3 ft. long, 2 ins. dia., 14 ins. in
the ground to bedrock, and in a mound of stone, for
cor. of secs. 9-10-15 and 16, with brass cap marked

T36S	R25E
S9	S10
S16	S15

1922

from which

A cedar, 14 ins. diam., bears N. 78° E., 83 lks.
dist., marked T36S R25E S10 PT

A pinon, 10 ins. diam., bears S. 54° E., 27 lks.
dist., marked T36S R25E S15 PT

A cedar, 16 ins. diam., bears S. 74° W., 57 lks.
dist., marked T36S R25E S16 PT

A cedar, 12 ins. diam., bears N. 37° W., 57 lks.
dist., marked T36S R25E S9 PT

Land, rough canyon slopes, broken and rolling mesa top,
general E. and SE. exposure.

Soil, rocky, clay and shallow sandy loam: sandstone
formation.

Timber, dense cedar and pinon.

Undergrowth, scattered to medium growth of sagebrush.

Fair grazing land on mesa.

East, on random line, bet. secs. 10 and 15.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.98 Intersect N. and S. line, 9 lks. N. of the cor. of secs.
10-11-14 and 15. Thence,

N. $89^{\circ}56'$ W., on true line, bet. secs. 10 and 15.

Over rough and broken land, through scattering timber
and short undergrowth: desc. abrupt ledgy W. slope,
265 ft. to

Subdivision of T. 36 S. R. 25 E.

Chains	
8.70	Bottom of Coal Bed Canyon, channel 80 lks. wide, sandy bottom, containing a small seep and water holes, of good water, course W., from NE.; thence along bottom to
13.30	Leave bottom, course N. 20° W.: scattered clump of cotton-woods at this point; asc. abrupt, ledgy NE. slope, 290 ft. to
20.60	Top of ascent on N. slope, 10 lks. N. of point of mesa top, bears SE. and SW.; desc. abrupt ledgy NW. slope, 310 ft. to
30.00	Recross bottom of Coal Bed Canyon, 1½ chs. wide, dry, course SW.; asc. abrupt, ledgy SE. slope, 235 ft. to
39.99	On abrupt rocky SE. slope. Set an iron post, 3 ft. long, 1 in. dia., 4 ins. in the ground to bedrock, and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked <div style="text-align: center;">S10 $\frac{1}{4}$ ————— S15 1922</div> from which A pinon, 8 ins. diam., bears N. 15° W., 75 lks. dist., marked $\frac{1}{4}$ S10 BT A pinon, 6 ins. diam., bears S. 63° W., 52 lks. dist., marked $\frac{1}{4}$ S15 BT
41.60	Brink of canyon and edge of mesa, 30 ft. above $\frac{1}{4}$ cor., bears NE. and SW.; thence over rolling top, gradually asc. rolling SE. slope, 90 ft. to cor. thru dense timber.
79.98	The cor. of secs. 9-10-15 and 16. E. 41.60 chs. is abrupt, ledgy slopes of Coal Bed Canyon, broken by rim ledges; remainder is rolling top of mesa; general drainage SW. Soil, rocky, clay and shallow sandy loam. Timber, scattering to dense cedar and pinon. Undergrowth, short sagebrush. Poor grazing land.

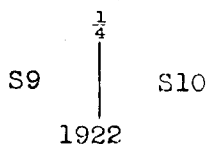
N. 0° 02' W., bet. secs. 9 and 10.

Over rolling land, through dense timber and short undergrowth; over slight SE. exposure to

Subdivision of T. 36 S., R. 25 E.

Chains

- 3.20 Top of raise on mesa, 15 ft. above sec. cor., bears NE. and SW.; thence over rolling W. slope, continue gentle ascent, of 85 ft. to
- 29.50 Top of ascent on W. slope, bears E. and W.; begin descent over N. and NW. slope.
- 38.80 Leave nearly all timber and ^{enter} heavier undergrowth, bears NW. and NE.
- 40.00 On gentle W. slope, 70 ft. below top of ascent.
Set an iron post, 3 ft. long, 1 in. dia., 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

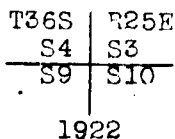


from which

- A pinon, 6 ins. diam., bears S. $10\frac{1}{2}^{\circ}$ E., 151 lks.
dist., marked $\frac{1}{4}$ S10 BT
- A pinon, 6 ins. diam., bears S. $14\frac{1}{2}^{\circ}$ W., 76 lks.
dist., marked $\frac{1}{4}$ S9 BT

Note: An old burnt area extends northwesterly from cor.

- 45.00 Wash, 20 lks. wide, 7 ft. deep, course S. 70° W., from NE.
- 46.00 Wash, 25 lks. wide, 7 ft. deep, course S 7° , from N. 20° E.
Thence gradually asc. rolling S. and SE. slope.
- 60.00 Enter dense timber, bears SE. and SW.
- 80.00 On slight SE. slope, 120 ft. above $\frac{1}{4}$ sec. cor.
Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 3-4-9 and 10, with brass cap marked



from which

- A cedar, 12 ins. diam., bears N. $71\frac{1}{2}^{\circ}$ E., 43 lks.
dist., marked T36S R25E S3 BT
- A pinon, 10 ins. diam., bears S. 56° E., 18 lks.
dist., marked T36S R25E S10 BT
- A cedar, 14 ins. diam., bears S. $3\frac{1}{2}^{\circ}$ W., 55 lks.
dist., marked T36S R25E S9 BT
- A cedar, 8 ins. diam., bears N. 32° W., 28 lks.
dist., marked T36S R25E S4 BT

Land, rolling mesa top, with SE. and SW. exposure and drainage.

Subdivision of T. 36 S., R. 26 E.

Chains	
	Soil, clay, sandy and gravelly loams, with some scattered rocks; on clay and rock subsoil.
	Timber, dense to scattered cedar and pinon.
	Undergrowth, short sagebrush. Good grazing land.
	<hr/>
	S. $89^{\circ}56'$ E., on random line bet. secs. 3 and 10.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.02	Intersect N. and S. line, 14 lks. N. of the cor. of secs. 2-3-10 and 11. Thence,
	N. $89^{\circ}50'$ W., on true line bet. secs. 3 and 10.
	Over rolling and low broken land, facing SE. and S., through dense timber and short undergrowth; gradually ascending over rough SE. and S. slopes, 130 ft. to
40.01	Set an iron post, 3 ft. long, 1 in. dia., 20 ins. in the ground to bedrock, and in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked
	S3
	$\frac{1}{4}$ ———
	S10
	1922
	from which
	A cedar, 10 ins. diam., bears S. 11° E., 34 lks. dist., marked $\frac{1}{4}$ S10 BT
	A cedar, 8 ins. diam., bears N. 23° W., 20 lks. dist., marked $\frac{1}{4}$ S3 BT
44.00	Top of ascent along S. slope, forming ridge, bears N. 30° E., about 25 chs. to rim of upper mesa, and S. 30° W.; thence gradually desc. S. and SW. slope.
59.00	Low spur, 15 ft. below the ridge, projects S. 30° W.
72.80	Wash, 30 lks. wide, 10 ft. deep, in swale, 75 ft. below spur, drains S. 10° W.; asc. 10 ft. to
80.02	The cor. of secs. 3-4-9 and 10.
	Land; rolling and broken; general SE. and SW. exposure and drainage; lying under the rim of high mesa to N.
	Soil, rocky and clay; surface strewn with large boulders.
	Timber; dense cedar and pinon.
	Undergrowth, short scattered sagebrush. Fair to poor grazing land.

Subdivision of T. 36 S., R. 25 E.

Chains

N. 0°02' W., on true line bet. secs. 3 and 4.

Over rolling land, through dense timber and short, scattering undergrowth; gradually asc. land facing SE.

9.00 Top of raise, 25 ft. above sec. cor., bears NE. and S.W.: slope changes to W., continue gentle ascent.

29.70 Intersect the Seventh Standard Parallel South, on S. bdy. of sec. 34, East, 20.90 chs. dist. of the S.C. of secs. 33 and 34, which is an iron post, 3 ins. dia., firmly set and extending 8 ins. above a mound of stone, properly marked and witnessed as described by the surveyor general. At point of intersection, Set an iron post, 3 ft. long, 2 ins. dia., 5 ins. in the ground to bedrock, and in a large mound of stone, for the closing cor. of secs. 3 and 4, with brass cap marked

T35S	R25E
S34	
S4	S3
T36S	R25E
CC	
1922	

from which

A cedar, 10 ins. diam., bears S. 21½° E., 38 lks. dist., marked T36S R25E S3 CC BT
A cedar, 12 ins. diam., bears S. 36½° W., 17 lks. dist., marked T36S R25E S4 CC BT

Land, rolling, having a general S.W. exposure and drainage.

Soil, clay, gravelly, and rocky; sandstone formation.

Timber, dense cedar and pinon.

Undergrowth, scattering black sagebrush.

Fair grazing land.

From the cor. of secs. 4-5-32 and 33 on S. bdy. of tp., heretofore described.

N. 0°03' W., bet. secs. 32 and 33.

Over rocky and broken bench land facing E. to SE., through medium dense timber and scattering short undergrowth.

1.70 Swale, 10 ft. below sec. cor., drains N. 80° E.: asc.

11.50 Rocky rim facing S., on N. side of swale, 95 ft. above

Subdivision of T: 36 S., R. 25 E.

Chains

sec. cor., bears E. and W.: continue over broken land facing E.

32.10 Small draw, 30 ft. deep, near head, drains SE.; asc. rocky S.W. slope, 75 ft. to

40.00 At top of ascent from draw, bearing NW. and SE.

Set an iron post, 3 ft. long, 1 in. dia., 14 ins. in the ground to bedrock, and in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
 S32 | S33
 1922

from which

A cedar, 6 ins.diam., bears S.78°W., 19 lks.
dist., marked $\frac{1}{4}$ S32 BT

A pinon, 6 ins.diam., bears N.53°E., 10 lks.
dist., marked $\frac{1}{4}$ S33 BT

Gradually asc. rolling SE. exposure 80 ft. to sec. cor.

70.20 A main trail, bears N.70°E. and S.70°W.

80.00 On gentle S. exposure.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 28-29-32 and 33, with brass cap marked

T36S | R25E
 S29 | S28
 S32 | S33
 1922

from which

A cedar, 10 ins.diam., bears N.22 $\frac{3}{4}$ °E., 76 lks.
dist., marked T36S R25E S28 BT

A cedar, 6 ins.diam., bears S.37 $\frac{1}{2}$ °E., 110 lks.
dist., marked T36S R25E S33 BT

A cedar, 12 ins.diam., bears S.46°W., 220 lks.
dist., marked T36S R25E S32 BT

A cedar, 6 ins.diam., bears N.52 $\frac{1}{4}$ °W., 33 lks.
dist., marked T36S R25E S29 BT

Land, broken and rolling; exposure and drainage SE.

Soil, rocky, clay and shallow sandy loam; surface strewn with boulders on S. $\frac{1}{2}$ mile.

Timber, medium dense cedar and pinon.

Undergrowth, short scattered sagebrush. Fair grazing land.

Subdivision of T. 36 S., R. 25 E.

Chains

S. 89°58' E., on random line bet. secs. 28 and 33.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.10 Intersect the cor. of secs. 27-28-33 and 34.

Thence,

N. 89°58' W., on true line bet. secs. 28 and 33.

Over rolling land facing SW., through medium dense

timber and short undergrowth: gradually desc. 65 ft. to

9.75 Wash, 30 lks. wide, 15 ft. deep, in swale, course S. 15° W.

thence along S. slope, descending 35 ft. to

32.20 Wash, 2 ft. deep, 20 lks. wide, in swale, drains S.;

thence over land facing SE. and S.: gently asc.

40.05 On slight SW. exposure, 25 ft. above swale.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in

the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

S28

$\frac{1}{4}$ ———

S33

1972

from which

A cedar, 14 ins. diam., bears S. 33° E., 34 lks.

dist., marked $\frac{1}{4}$ S33

A cedar, 10 ins. diam., bears N. 73° W., 11 lks.

dist., marked $\frac{1}{4}$ S28

41.90 Stock trail, bears N. and S.

68.50 A main trail, bears NE. and SW.

80.10 The cor. of secs. 28-29-33 and 37, 20 ft. above $\frac{1}{4}$ sec. cor.

Land, rolling: exposure SW. and SE.: drainage S.

Soil, clay and sandy loam, lying on hard clay or rock
subsoil: sandstone formation.

Timber, medium dense cedar and pinon.

Undergrowth, medium growth of black sagebrush.

Fair grazing land.

N. 0°03' W., bet. secs. 28 and 29.

Over rolling land, through dense timber and medium
undergrowth: gently asc. SE. exposure, 110 ft. to

32.00 Top of raise on mesa, forming divide bet. Monument

Chains

80.00

and Coal Bed Canyons, bears N. 75° E., and S. 10° W.; then
over slight N. to NW. exposures; gently ascending

40.00

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

S29

S28

1922

from which

A cedar, 12 ins. diam., bears N. 75 $\frac{1}{2}$ ° E., 12 lks.
dist., marked $\frac{1}{4}$ S28 BT

A cedar, 8 ins. diam., bears N. 16 $\frac{1}{2}$ ° W., 31 lks. 08.00
dist., marked $\frac{1}{4}$ S29 BT

80.00

Set an iron post, 3 ft. long, 2 ins. dia., over cross
(X) cut in bedrock, 30 ins. in a large mound of stone,
with 5 ft. base, for the cor. of secs. 20-21-28 and 29,
with brass cap marked

T36S	R25E
S20	S21
S29	S28

1922

from which

A cedar, 14 ins. diam., bears N. 49 $\frac{1}{4}$ ° E., 30 lks.
dist., marked T36S R25E S21 BT

A cedar, 12 ins. diam., bears S. 12 $\frac{1}{2}$ ° E., 44 lks.
dist., marked T36S R25E S28 BT

A cedar, 10 ins. diam., bears S. 62 $\frac{1}{2}$ ° W., 76 lks.
dist., marked T36S R25E S29 BT

A pinon, 6 ins. diam., bears N. 60° W., 22 lks.
dist., marked T36S R25E S20 BT

Cor. stands on N. edge of mesa top, and S. brink of
Coal Bed Canyon, 70 ft. below $\frac{1}{4}$ sec. cor.

Land, rolling mesa top; exposure and drainage SE. and
NW.

Soil, shallow reddish sandy and hard clay loam, on clay
and rock subsoil; sandstone formation.

Timber, dense cedar and pinon.

Undergrowth, medium growth of black sagebrush.

Fair to good grazing land.

S. 89° 58' E., on random line bet. secs. 21 and 28.

40.00

Set temp. $\frac{1}{4}$ sec. cor.

79.98

Intersect N. and S. line, 5 lks. N. of the cor. sec.

Subdivision of T. 36 S., R. 25 E.

Chains

21-22-27 and 28. Thence,

N. $89^{\circ}56'W.$, on true line, bet. secs. 21 and 28.

Over rolling land, slight exposure to W., through scattering timber and medium dense undergrowth; gently desc. along NW. exposure.

8.00 Enter dense timber bears N. and S.

27.60 Wash, 20 lks. wide, 4 ft. deep, in swale, 45 ft. below sec. cor., course SW.; asc. 15 ft. to

31.80 Top of raise, projects S.; desc. 25 ft. to

39.99 On slight SW. slope of mesa top.

Set an iron post, 3 ft. long, 1 in. dia., 18 ins. in. the ground to bedrock, and in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked

S21

 $\frac{1}{4}$ ———

S28

1922

from which

A pinon, 8 ins. diam., bears S. $26^{\circ}W.$, 48 lks. dist., marked $\frac{1}{4}$ S28 BT

A pinon, 7 ins. diam., bears N. $86^{\circ}W.$, 56 lks. dist., marked $\frac{1}{4}$ S21 BT

41.50 Edge of mesa and brink of gulch, bears NW. and SE.; desc. abrupt ledgy SW. slope, 135 ft. to

47.65 Bottom of narrow, rocky gulch, course NW.; asc. abrupt ledgy NE. slope, 175 ft. to

55.50 W. brink of the gulch, bears NW. and SE.; thence along N. slope, asc. 25 ft. to

64.00 Top of ascent on gentle N. slope, bears N. and S.; gradually desc. along N. slope, 55 ft. to cor.

79.98 The cor. of secs. 20-21-28 and 29, on rim of canyon. Land, rolling and broken mesa top, broken by a deep gulch draining NW. into Coal Bed Canyon.

Soil, shallow sandy and clay loam, and rocky; sandstone formation.

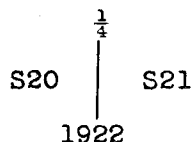
(Timber, scattering on E. 8 chs., dense on remainder, cedar and pinon.

Undergrowth, scattering to medium growth of sagebrush.

Fair grazing land.

Subdivision of T. 36S., R. 25E.,

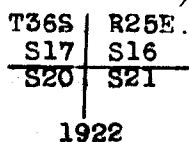
- Chains
- N. $0^{\circ}03'$ W., bet. secs. 20 and 21.
- Over rugged canyon slopes, through medium dense timber and scattering short undergrowth; desc. from cor., standing on brink of canyon bearing NE. and SE., over abrupt, ledgy NW. slope, 450 ft. to
- 18.00 Bottom of Coal Bed Canyon, 1 ch. wide, dry, rocky bottom course SW.; asc. abrupt SE. slope over ledges, 200 ft.
- 26.85 Top of the abrupt ascent and top of a 60 ft. rim ledge facing SE., bears NE. and SW.; continue ascent over series of small rim ledges and bench slopes, 170 ft. to
- 40.00 On S. slope, 370 ft. above canyon.
- Set an iron post, 3 ft. long, 1 in. dia., 2 ins. in ground to bedrock, and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked



from which

- A cedar, 10 ins. diam., bears S. 64° W., 52 lks.
dist., marked $\frac{1}{4}$ S20 BT
- A cedar, 12 ins. diam., bears N. 30° E., 50 lks.
dist., marked $\frac{1}{4}$ S21 BT

- 50.45 Top of rocky ascent and S. edge of mesa top, 140 ft. above $\frac{1}{4}$ sec. cor., bears E. and W.; thence over gently rolling mesa top, slight SE. exposure.
- 80.00 On slight S. slope, 600 ft. above the canyon.
- Set an iron post, 3 ft. long, 2 ins. dia., 16 ins. in the ground to bedrock, and in a mound of stone, for cor. of secs. 16-17-20 and 21, with brass cap marked



from which

- A cedar, 10 ins. diam., bears N. 44° E., 47 lks.
dist., marked T36S R25E S16 BT
- A cedar, 14 ins. diam., bears S. 32° E., 91 lks.
dist., marked T36S R25E S21 BT
- A pinon, 10 ins. diam., bears S. 30° W., 60 lks.
dist., marked T36S R25E S20 BT
- A pinon, 9 ins. diam., bears N. 9° E., 39 lks.
dist., marked T36S R25E S17 BT

chains

Land, rugged slopes, of Coal Bed Canyon draining SW., on the S. 50 $\frac{1}{2}$ chs.; rolling mesa top remainder.

Soil, rocky in form of ledges and boulders with shallow clay and sand, on the canyon slopes; shallow sandy and clay loam, lying on hard clay or rock, on mesa.

Timber, dense cedar and pinon.

Undergrowth, scattering sagebrush.

Fair grazing land on mesa.

S. 89°56' E., on random line bet. secs. 16 and 21.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.02 Intersect N. and S. line, 2 lks. N. of the cor. of secs. 15-16-21 and 22. Thence,

N. 89°55' W., on true line, bet. secs. 16 and 21.

Over rugged and broken canyon slopes, through medium dense timber and scattering undergrowth; desc. abrupt rocky NW. slope, 100 ft. to

4.25 Bottom of Coal Bed Canyon, 80 lks. wide, dry, rocky bottom, course SW.; asc. 45 ft. to

10.45 Top of ascent on N. side of bottom; desc. 50 ft. to

13.50 Recross canyon bottom, course NW.; asc. 50 ft. to

16.85 Low sharp spur, projects N. 4 chs.; desc. 60 ft. to

19.65 Recross canyon bottom, course SW. for 2 chs. thence to W.; gradually asc. along N. side to

32.20 Canyon bottom bears 1 ch. S. of line, course SW. from E.; begin abrupt ascent over ledge SE. slope, 260 ft. to

40.01 On abrupt SE. slope.

Set an iron post, 3 ft. long, 1 in. dia., 16 ins. in the ground to bedrock, and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked

S16

$\frac{1}{4}$ ———

S21

1922

from which

A pinon, 6 ins. diam., bears N. 2° E., 32 lks. dist., marked $\frac{1}{4}$ S16 BT

Subdivision of T. 36 S., R. 25 E.

Chains	
	A cedar, 10 ins. diam., bears S. 19° W., 63 lks. dist., marked $\frac{1}{4}$ S21° BT
44.40	Spur or S. point of mesa top, 195 ft. above $\frac{1}{4}$ sec. cor., projects S.: desc. abrupt W. slope over series of sandstone ledges, 10 to 50 ft. high, 405 ft. to
52.65	Bottom of gulch, course S.; asc. abrupt, ledgy E. slope, 440 ft. to
60.90	W. brink of the gulch and edge of mesa top, bears N. and S.; thence gradually asc. over rolling mesa top, through heavier timber, 75 ft. to
80.02	The cor. of secs. 16-17-20 and 21. Land, rough, broken canyon slopes, rimmed with series of sandstone ledges, facing into Coal Bed Canyon, draining SW., and rolling mesa top. Soil, rocky in form of ledges, outcrops and boulders, with shallow clay and sandy loam, on the abrupt slopes; shallow sandy and clay loam on mesa top. Timber, medium dense cedar and pinon. Undergrowth, scattering short sagebrush. Poor grazing land on greater part of mile.
	<hr/>
	N. 0° 03' W., bet. secs. 16 and 17. Over rolling and broken mesa top, through dense timber and scattering undergrowth; gradually asc. SE. expo- sure, 40 ft. to
18.50	Top of raise, bears E. and W.; begin gradual descent over rolling NE. slope of 105 ft. to
37.10	Draw, drains S. 60° E.; thence over rolling land facing SW., ascending.
40.00	On S. slope, 30 ft. above draw. Set an iron post, 3 ft. long, 1 in. dia., 10 ins. in the ground to bedrock, and in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked

S17

S16

 $\frac{1}{4}$

1922

Subdivision of T. 36 S., R. 25 E.

Chains

from which

- A cedar, 10 ins. diam., bears N. 40° E., 24 lks.
dist., marked $\frac{1}{4}$ S16 BT
- A cedar, 12 ins. diam., bears S. 53° W., 51 lks.
dist., marked $\frac{1}{4}$ S17 BT

Continue gradual ascent over SW. slope, 165 ft. to

80.00

On gradual W. slope.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in
the ground, for cor. of secs. 8-9-16 and 17, with
brass cap marked

T36S	R25E
S8	S9
S17	S16

1922

from which

- A cedar, 12 ins. diam., bears N. 68° E., 15 lks.
dist., marked T36S R25E S9 BT
- A cedar, 10 ins. diam., bears S. 45° E., 84 lks.
dist., marked T36S R25E S16 BT
- A cedar, 10 ins. diam., bears S. 24° W., 69 lks.
dist., marked T36S R25E S17 BT
- A pinon, 8 ins. diam., bears N. 61° W., 36 lks.
dist., marked T36S R25E S8 BT

Land, rolling and broken mesa top; exposure SE. and SW:
drainage SE.

Soil, rocky, gravelly and clay loam, on rock and hard
clay subsoil; sandstone formation.

Timber, dense cedar and pinon.

Undergrowth, scattering sagebrush. Fair grazing land.

S. 89°55' E., on random line, bet. secs. 9 and 16.

40.00

Set temp. $\frac{1}{4}$ sec. cor.

80.06

Intersect N. and S. line, 9 lks. S. of the cor. of secs.
9-10-15 and 16. Thence,

N. 89°59' W., on true line, bet. secs. 9 and 16.

Over rolling mesa top, through dense timber and
scattering undergrowth; asc. gently SE. exposure, 15 ft.

4.30

Top of raise on mesa, bears NE. and S. 30° W.; begin
gradual descent over rolling W. slope of 180 ft. to

27.40

Small seep of good water, in bottom of long ravine,
course S.; the seep rises at this point and flows for
about 250 ft. before sinking.

Subdivision of T. 36 S., R. 28 E.

Chains	
40.03	<p>Gradually ascend rolling SE. slope.</p> <p>On a gradual S. slope, 110 ft. above ravine.</p> <p>Set an iron post, 3 ft. long, 1 in. dia., 20 ins. in the ground to bedrock, and in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked</p> <div style="text-align: center;"> <p>S9</p> <p>$\frac{1}{4}$ —</p> <p>S16</p> <p>1922</p> </div>
	<p>from which</p> <p>A pinon, 8 ins. diam., bears N. 36$\frac{1}{2}$° E., 54 lks. dist., marked $\frac{1}{4}$ S9 BT</p> <p>A cedar, 5 ins. diam., bears S. 3$\frac{1}{2}$° E., 57 lks. dist., marked $\frac{1}{4}$ S16 BT</p>
78.25	<p>Ridge, 180 ft. above $\frac{1}{4}$ sec. cor., bears N. and S.; desc. W. slope, 15 ft. to</p>
80.06	<p>The cor. of secs. 8-9-16 and 17.</p> <p>Land, rolling mesa top, with SW. and SE. exposures; drainage S.</p> <p>Soil, shallow clay and gravelly loam, and rocky, lying on clay and rock subsoils.</p> <p>Timber, dense cedar and pinon.</p> <p>Undergrowth, scattering sagebrush. Fair grazing land.</p>
	<p>N. 0° 03' W., bet. secs. 8 and 9.</p> <p>Over rolling land, through dense timber and scattering undergrowth; gradually asc. along W. slope, 15 ft. to</p>
6.50	<p>Low rolling ridge, bears W. and S. 10° E.; gradually desc. rolling N. slope, 55 ft. to</p>
40.00	<p>On gentle N. slope.</p> <p>Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked</p> <div style="text-align: center;"> <p>S8</p> <p>1922</p> <p>S9</p> </div>
	<p>from which</p>

Subdivision of T. 36 S., R. 25 E.

Chains

A pinon, 6 ins.diam., bears S. $18\frac{1}{2}^{\circ}$ E., 28 lks.
dist., marked $\frac{1}{4}$ S9 BT
A cedar, 8 ins.diam., bears N. $65\frac{1}{2}^{\circ}$ W., 77 lks.
dist., marked $\frac{1}{4}$ S8 BT

Cor. stands in N. edge of dense timber bearing N. 10° E.
and S. 10° W.

Proceed across open swale or flat draining NE.,
through dense sagebrush and few scattered trees.

42.60 Wash, 20 lks. wide, 4 ft. deep, course NE., 20 ft. below
 $\frac{1}{4}$ cor., thence over E. slope to draw.

53.00 Leave dense undergrowth, enter dense timber, bears E.
and W.

54.45 Shallow draw, course S. 70° E.; begin gradual ascent over
rolling S. and SE. slopes of 50 ft. to

80.00 On a gradual S. slope.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in
the ground, for cor. of secs. 4-5-8 and 9, with brass
cap marked

T36S	R25E
S5	S4
S8	S9

1922

from which

A pinon, 6 ins.diam., bears N. $36\frac{1}{2}^{\circ}$ E., 23 lks.
dist., marked T36S R25E S4 BT

A cedar, 12 ins.diam., bears S. 46° E., 98 lks.
dist., marked T36S R25E S9 PT

A cedar, 10 ins.diam., bears S. 8° W., 53 lks.
dist., marked T36S R25E S8 PT

A cedar, 12 ins.diam., bears N. $36\frac{1}{4}^{\circ}$ W., 35 lks.
dist., marked T36S R25E S5 BT

Land, rolling, with NE. and SE. exposures; drainage SE.

Soil, clay and gravelly loams, and rocky, lying on hard,
dry clay and rock subsoil; sandstone formation.

Timber, dense to scattering cedar and pinon.

Undergrowth, scattering to dense black sagebrush.

Fair to good grazing land.

S. $89^{\circ}59'$ E., on random line, bet. secs. 4 and 9.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.02 Intersect N. and S. line, 14 lks. S. of the cor. of

Subdivision of T. 36 S. 40 R. 25 E.

2012

Chains

secs. 3-4-9 and 10... Thence,

S. $89^{\circ}55'$ W., on true line bet. secs. 4 and 9.

Over rolling land, through dense timber and short undergrowth; asc. E. exposure, 10 ft. to

4.00 Low spur, projects SW.; leave dense timber, enter scattered burnt and dead timber, and dense sagebrush, bears N. and S.; gradually desc. rolling W. slope.

14.25 Leave dead timber, continue through few scattered trees.

37.90 Wash, 30 lks. wide, 6 ft. deep, in ravine or hollow, course S. to SW.; begin gradual ascent over rolling SE. slope.

40.01 On slight SE. slope, 20 ft. above the wash.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

S4

 $\frac{1}{4}$ ———

S9

1922

from which

A cedar, 14 ins. diam., bears S. $77\frac{1}{2}^{\circ}$ E., 90 lks. dist., marked $\frac{1}{4}$ S9 BT

A cedar, 16 ins. diam., bears N. $60\frac{1}{2}^{\circ}$ W., 113 lks. dist., marked $\frac{1}{4}$ S4 BT

44.00 Enter dense timber and scattering undergrowth, bears N. and S.; continue gradual ascent over rough SE. slope.

80.02 The cor.. of secs. 4-5-8 and 9, 100 ft. above $\frac{1}{4}$ sec. cor.

Land, rolling with S. and SE. exposure; drainage S.

Soil, sandy and clay loam, gravelly and rocky.

Timber, scattering to dense cedar and pinon. A burnt area extends through the E. $\frac{1}{2}$ mile.

Undergrowth, dense to scattering sagebrush.

Good grazing land.

N. $0^{\circ}03'$ W., on true line, bet. secs. 4 and 5.

Over rough, broken land facing SE., through dense timber and scattering undergrowth; gradually asc. towards the base of upper mesa.

24.00

Base of mesa slope, bears NE. and SW., begin abrupt

Chains

ascent over rocky SE. face.

29.87

Intersect the Seventh Standard Parallel South, on S. bdy. of sec. 33, East, 20.54 chs. dist. of the S.C. of secs. 32 and 33, which is an iron post, 3 ins. dia., extending 12 ins. above ground, marked and witnessed as described by the surveyor general.

At point of intersection,

Cut cross (X) at exact cor. point, on N. face of sandstone boulder, 6x4x5 ft. It being impossible to set post at true cor. point; therefore I witness cor. 05 lks. N. or at

29.92

Set an iron post, 3 ft. long, 2 ins. dia., 3 ins. in the ground to bedrock, and in a large mound of stone, for witness cor. to the closing cor. of secs. 4 and 5, with brass cap marked

T35S	R25E
S33	
S5	S4
T36S	R25E
CC	
WC	
1922	

from which

A pinon, 12 ins. diam., bears S. 73° E., 31 lks. dist., marked WC T36S R25E S4 CC RT
 A pinon, 7 ins. diam., bears S. 50° W., 83 lks. dist., marked WC T36S R25E S5 CC RT

Cor. stands on abrupt, rocky SE. face of mesa slope, 285 ft. above sec. cor., and near top.

Land, rough and broken facing SE. from high mesa.

Soil, rocky with shallow clay and gravelly loam; surface strewn with large boulders; sandstone formation.

Timber, dense cedar and pinon.

Undergrowth, scattering sagebrush. Poor grazing land.

From the cor. of secs. 5-6-31 and 32 on the S. bdy. of tp., heretofore described.

N. 0°03' W., bet. secs. 31 and 32.

Over rolling mesa land, through scattering timber and scattering short undergrowth; gradually asc. S. slope.

Subdivision of T. 36 S., R. 25 E.

Chains	Notes
2.00	Enter more scattered timber, bears E. and W.
12.50	Top of ascent on E. slope of small hill, summit of which bears 7. of line 2 chs. dist. Hill locally known as "Flag Point" on account of monument on summit. Top of ascent is 120 ft. above sec. cor., and forms divide bet. Monument and Coal Bed Canyons, bears E. and S. 80° W. Leave all timber; gradually desc. rolling N. slope.
37.00	Swale, 80 ft. below ridge, drains W.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	<div style="text-align: center;"> $\frac{1}{4}$ S31 . S32 1922 </div>
	dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist. Gradually asc. SW. exposure.
45.00	Enter dense timber, bears E. and W.
53.00	Top of raise, 55 ft. above $\frac{1}{4}$ sec. cor., bears E. and W.; desc. N. slope, 65 ft. to
64.50	S. rim of small branch gulch, bears E. and W.; desc. abrupt ledgy N. slope.
69.00	Bottom of gulch, 100 ft. deep, course W.; asc. abruptly.
74.50	N. rim of same, bears N. 80° W. and S. 80° E.; thence over gently rolling top to
79.25	Edge of mesa and S. brink of Coal Bed Canyon, bears NE. and S. 60° W.; desc. abrupt ledgy N. slope, 30 ft. to
80.00	On abrupt rocky N. slope.
	Set an iron post, 3 ft. long, 2 ins. dia., 20 ins. in the ground to bedrock, and in a mound of stone, for cor. of secs. 29-30-31 and 32, with brass cap marked

T36S	R25E
S30	S29
S31	S32

1922

from which

- A pinon, 7 ins. diam., bears N. 51 $\frac{1}{2}$ ° E., 53 lks. dist., marked T36S R25E S29 BT
- A pinon, 5 ins. diam., bears S. 76 $\frac{3}{4}$ ° E., 46 lks. dist., marked T36S R25E S32 BT
- A pinon, 6 ins. diam., bears S. 55 $\frac{3}{4}$ ° W., 54 lks. dist., marked T36S R25E S31 BT

Subdivision of T. 36 S., R. 25 E.

Chains

A pinon, 6 ins.diam., bears N. $20\frac{3}{4}^{\circ}$ W., 55 lks.
dist., marked T36S R25E S30 BT

Land, rolling and broken mesa; exposure and drainage
S. and NW.

Soil, clay, shallow sandy loam, on clay subsoil, rocky
on N. and S. ends of the mile.

Timber, dense to scattering cedar and pinon, on greater
part of mile.

Undergrowth, medium growth of sagebrush.

Good grazing land.

S. $89^{\circ}58'$ E., on random line, bet. secs. 29 and 32.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.10 Intersect N. and S. line, 9 lks. S. of the cor. of secs.
28-29-32 and 33. Thence,

S. $89^{\circ}58'$ W., on true line, bet. secs. 29 and 32.

Over rolling land, through scattering timber and very
scattered, short undergrowth; asc. gentle SE. slope.

1.00 Leave timber, bears N. and S. 30° W.

4.00 Top of low rolling ridge, 10 ft. above sec. cor., forms
divide bet. Monument and Coal Bed Canyons, bears N.
and S. 30° W.; thence over rolling W. and SW. slopes.

25.00 Enter medium dense timber, bears N. and S.

40.05 On a gentle S. slope, 20 ft. below ridge.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in
the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

S29

$\frac{1}{4}$

S32

1922

from which

A cedar, 14 ins.diam., bears N. 77° E., 32 lks.
dist., marked $\frac{1}{4}$ S29 BT

A cedar, 16 ins.diam., bears S. 28° W., 17 lks.
dist., marked $\frac{1}{4}$ S32 BT

Continue along a rolling S. slope.

66.00 Slope changes to NW.

78.50 Edge of mesa and brink of Coal Bed Canyon, 70 ft. below
 $\frac{1}{4}$ sec. cor., bears NE. and SW.; desc. abrupt NW. slope,

Subdivision of T. 36 S., R. 25 E.

enlaid

Chains

35 ft. to

80.10

The cor. of secs. 29-30-31 and 32.

Land, rolling mesa; exposure and drainage SE. and W. .
Soil, heavy clay, shallow sandy loam; and rocky.

Timber, dense to scattering cedar and pinon, on greater
portion of mile.

Undergrowth, scattering sagebrush. Fair grazing land.

N. $89^{\circ}58'$ W., on random line, bet. secs. 30 and 31.

40.00

Set temp. $\frac{1}{4}$ sec. cor.

75.90

Intersect W. bdy. of tp., 53 lks. S. of the W.C. to cor.
of secs. 25-30-31 and 36, which is an iron post, 2 ins.
dia., firmly set, and extending 10 ins. above a mound
of stone, properly marked and witnessed as described by
the surveyor general. The witness cor. is 65 lks. N.
of the true cor. point, therefore falling 12 lks.
N. Thence, from true cor. point,

N: $89^{\circ}57'$ E., on true line bet. secs. 30 and 31.

Over rough broken land, through medium dense timber,
and scattering undergrowth; asc. abrupt ledgy W. slope.

11.00

Brink of Canyon and edge of mesa top, 295 ft. above sec.
cor., bears N. 15° W. and nearly E.; thence top of mesa,
near edge to

24.40

Edge of mesa and brink of canyon, bears N. 80° E., and
nearly W.; desc. along abrupt, broken and ledgy S.
slope, 130 ft. to

35.90

On abrupt, ledgy S. slope.

Set an iron post, 3 ft. long, 1 in. dia., 4 ins. in
the ground to bedrock, and in a mound of stone, for
 $\frac{1}{4}$ sec. cor., with brass cap marked

S30

 $\frac{1}{4}$

S31

1922

from which

A pinon, 5 ins. diam., bears N. $64^{\circ}3'$ E., 52 lks.
dist., marked $\frac{1}{4}$ S30 BT

Subdivision of T. 36 S., R. 25 E.

Chains

A cedar, 8 ins. diam., bears S. $77\frac{1}{2}^{\circ}$ W., 21 lks.
dist., marked $\frac{1}{4}$ S31 BT

Continue along abrupt S. slope.

46.50 High rocky point on S. slope; begin abrupt descent over SE. slope into canyon.

54.80 Right bank of wash. 20 ft. high, bears NE., and S. 30° W. for 6 chs. thence to W., 530 ft. below mesa; thence across dry channel of wash in bottom of Coal Bed Canyon, course SW.

59.20 Left bank of wash, 20 ft. high, bears NE. and SW.; asc. abruptly over ledgy broken W. and NW. slope.

63.15 Top of a 60 ft. sandstone rim ledge facing nearly W., bears N. 60° E. and S. 60° W.; continue over more of a N. slope.

75.90 The cor. of secs. 29-30-31 and 32, 515 ft. above canyon. Land, very rough and broken canyon slopes facing into Coal Bed Canyon, course southwesterly.

Soil, mostly rocky in form of ledges, outcrops and boulders, with shallow clay and sandy loam.

Timber, medium dense cedar and pinon.

Undergrowth, very scattered sagebrush.

Too rough for grazing. Canyon bottom narrow and rocky.

N. $0^{\circ}03'$ W., bet. secs. 29 and 30.

Over rough and broken land, through medium dense to scattering timber, and scattering undergrowth; desc. abrupt ledgy N. slope, 485 ft. to

19.55 Coal Bed Canyon, $1\frac{1}{2}$ chs. wide, dry, sandy & rocky bottom, course SW., from E.; asc. abrupt ledgy SE. slope, 430 ft.

30.20 Rocky spur, slopes off to SE. for 12 chs. dist., and bears NW. 5 chs. to mesa top; desc. along an abrupt, ledgy nearly E. slope.

40.00 On abrupt E. slope, 250 ft. below spur.

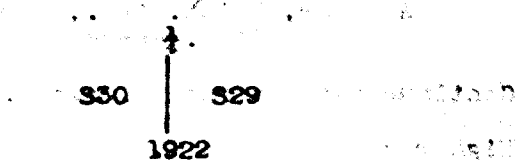
Set an iron post, 3 ft. long, 1 in. dia., 14 ins. in the ground to bedrock, and in a mound of stone, for

$\frac{1}{4}$ sec. cor., with brass cap marked

Subdivision of T. 36 S., R. 23 E.

Chains

81134



from which

- A pinon, 6 ins.diam., bears S.44½°E., 54 lks.
dist., marked ½ S29 BT
- A cedar, 8 ins.diam., bears S.39½°W., 50 lks.
dist., marked ½ S30 BT

- 61.25 Base of descent along E. slope, 135 ft. below ½ sec.
cor., 2 chs. W. of canyon bottom, course at sharp
head from E. to S.; asc. abruptly over ledgy SE. slope,
480 ft. to
- 75.50 Brink of canyon and edge of mesa top, bears E. and SW.;
thence over rolling top, gradually asc. 10 ft. to
- 77.40 Top of raise bears E. and W.; gently desc. N. slope.
- 81.00 On gentle N. slope, 10 ft. below raise.
Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in
the ground, for cor. of secs. 19-20-29 and 30, with a
brass cap marked

T36S	R25E
S19	S20
S30	S29

1922

from which

- A cedar, 8 ins.diam., bears N.75½°E., 40 lks.
dist., marked T36S R25E S20 BT
- A cedar, 8 ins.diam., bears S.60½°E., 38 lks.
dist., marked T36S R25E S29 BT
- A cedar, 8 ins.diam., bears S.68°W., 62 lks.
dist., marked T36S R25E S30 BT
- A cedar, 10 ins.diam., bears N.68½°W., 92 lks.
dist., marked T36S R25E S19 BT

Land, abrupt, broken and ledgy slopes of Coal Bed Canyon,
on S. 75½ chs.; rolling mesa top on N.4½ chs.
Soil, rocky in form of sandstone ledges, outcrops and
boulders, which shallow clay, and sandy loam.
Timber, medium dense to scattering cedar and pinon.
Undergrowth, scattering sagebrush: dense in canyon bottom.
Poor grazing land.

Chains	
	N. 89°58' E., on random line, bet. secs. 20 and 29.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.02	Intersect the cor. of secs. 20-21-28 and 29. Thence, S. 89°58' W., on true line, bet. secs. 20 and 29. Over rough, broken and rocky land, through medium dense timber and scattering undergrowth; desc. from cor. on rim of canyon, over abrupt, ledgy NW. and N. slopes.
18.35	Stock, trail out of canyon, bears N. and S.
28.75	Base of depression on N. slope, 350 ft. below sec. cor., drains N. 6 chs. dist. to canyon bottom; asc. along abrupt NE. slope, 175 ft. to
39.20	Sharp spur, slopes off to N. 10° W., and ascends S. to mesa; desc. abrupt W. slope.
40.01	On W. slope, 20 ft. below spur. Set an iron post, 3 ft. long, 1 in. dia., 14 ins. in the ground to bedrock, and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked <div style="text-align: center;"> S20 $\frac{1}{4}$ ——— S29 1922 </div> from which A cedar, 6 ins. diam., bears S. 61° W., 51 lks. dist., marked $\frac{1}{4}$ S29 ET A cedar, 6 ins. diam., bears N. 34° W., 34 lks. dist., marked $\frac{1}{4}$ S20 ET
47.00	Coal Bed Canyon, 1 ch. wide, dry, rocky bottom, 285 ft. below $\frac{1}{4}$ sec. cor., course S. for about 6 chs., thence to W.; asc. abrupt, ledgy E. slope, 490 ft. to
59.50	W. brink of the canyon, bears NW. and SW.: thence over rolling mesa top, through heavier timber; gradually asc. along N. slope, 50 ft. to
80.02	The cor. of secs. 19-20-29 and 30. E. 59 $\frac{1}{2}$ chs. is abrupt canyon slopes, broken by numerous rim ledges, 10 ft. 50 ft. high; remainder is mesa top, N. to NE. exposure. Soil, mostly rocky in form of ledges and boulders, with shallow clay, and sandy loam; sandstone formation.

Subdivision of T. 36 S., R. 25 E.

Chains

entire

Timber, medium to dense cedar and pinon.

Undergrowth, scattering sagebrush and service berry.

Poor grazing land.

S. $89^{\circ}57'$ W., on random line, bet. secs. 19 and 30.40.00 Set temp. $\frac{1}{4}$ sec. cor.

75.72 Intersect the W. bdy. of tp., 7 lks. N. of the cor. of
secs. 19-24-25 and 30, which is an iron post, 2 ins. dia.
extending 12 ins. above ground, firmly set, properly
marked and witnessed as described by the surveyor
general. Thence,

N. $89^{\circ}54'$ E., on true line, bet. secs. 19 and 30.

Over rolling mesa land, through dense timber and
scattering undergrowth; gradually asc. rolling and rocky
W. slope.

22.00 Thence more gentle ascent over slight S. exposure of
mesa top, bears N. and S.

35.72 On a slight S. exposure, 115 ft. above sec. cor.
Set an iron post, 3 ft. long, 1 in. dia., 18 ins. in
ground to bedrock, and in a mound of stone, for $\frac{1}{4}$ sec.
cor., with brass cap marked

S19

 $\frac{1}{4}$

S30

1922

from which

A cedar, 12 ins. diam., bears S. $4\frac{1}{2}^{\circ}$ E., 30 lks.
dist., marked $\frac{1}{4}$ S30 BT

A pinon, 14 ins. diam., bears N. 58° W., 27 lks.
dist., marked $\frac{1}{4}$ S19 BT

45.50 Top of raise on mesa, bears N. 30° W., and SE.; thence over
slight NE. exposure, desc. 40 ft. to

75.72 The cor. of secs. 19-20-29 and 30.

Land, rolling mesa; general exposure and drainage S.

Soil, light clay and sandy loams, mixed with gravel
and rocks.

Timber, dense cedar and pinon.

Undergrowth, medium to scattering growth of sagebrush.

Subdivision of T. 36 S., R. 25 E.

Chains

N. 0°03' W., bet. secs. 19 and 20.

Over broken and rolling mesa, through dense timber and scattering undergrowth; desc. gradual N. slope to

4.60 S. brink of gulch, 20 ft. below sec. cor., bears N.80°W. and E.; desc. abrupt, rocky N. slope, 245 ft. to

10.50 Bottom of gulch, course E.; asc. abrupt, ledgy S. slope 335 ft. to

27.15 N. brink of the gulch, bears E. and W.; thence over rolling mesa top, slight S. exposure.

40.00 On mesa, slight S. slope, 35 ft. above rim.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

S19	S20
1922	

from which

A pinon, 14 ins.diam., bears S.67°E. 10 lks.
dist., marked $\frac{1}{4}$ S20 BT

A cedar, 10 ins.diam., bears S.80°W., 21 lks.
dist., marked $\frac{1}{4}$ S19 BT

58.20 Top of raise on mesa, 20 ft. above $\frac{1}{4}$ sec. cor., bears W. and NE.; thence over slight N. and NW. slope.

72.30 Bottom of rocky draw, 85 ft. deep, course SW.; gradually asc. S. slope.

80.00 On gentle S. slope.

Set an iron post, 3 ft. long, 2 ins. dia., 18 ins. in the ground to bedrock, and in a mound of stone, for cor. of secs. 17-18-19 and 20, with brass cap marked

T36S	R25E
S18	S17
S19	S20

1922

from which

A cedar, 8 ins.diam., bears N.60°E., 86 lks.
dist., marked T36S R25E S17 BT

A cedar, 12 ins.diam., bears S.76°E., 14 lks.
dist., marked T36S R25E S20 BT

A cedar, 8 ins.diam., bears S.79°W., 33 lks.
dist., marked T36S R25E S19 BT

A cedar, 10 ins.diam., bears N.49½°W., 49 lks.
dist., marked T36S R25E S18 BT

Subdivision of T. 36 S., R. 25 E.

Chains

sides

Land, rolling and broken mesa; broken mesa deep, rocky gulch, draining SE. into Coal Bed Canyon; general exposure SE.

Soil, shallow sandy and clay loam, and rocky; on clay and rock subsoil.

Timber, dense cedar and pinon.

Undergrowth, scattering to medium growth of sagebrush.

Fair grazing land.

N. $89^{\circ}58'$ E., on random line bet. secs. 17 and 20.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

40.02 Intersect N. and S. line; 9 lks. S. of the cor. of secs. 16-17-20 and 21. Thence,

S. $89^{\circ}54'$ W., on true line, bet. secs. 17 and 20.

Over rolling mesa land, through dense timber and medium undergrowth; over slight SE. exposure to

9.20 Top of raise, 20 ft. above sec. cor., bears N. 30° W. and S.; thence over gentle SW. slope.

25.50 E. rim of draw, bears NW. and S.; desc. rocky W. slope.

35.85 Bottom of draw, 170 ft. below rim, course S.; heads about 5 chs. N. of line; asc. E. slope.

40.01 On E. slope, 70 ft. above bottom,

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

S17

$\frac{1}{4}$

S20

1922

from which

A cedar, 14 ins. diam., bears N. 29° E., 114 lks. dist., marked $\frac{1}{4}$ S17 BT

A cedar, 8 ins. diam., bears S. 79° W., 36 lks. dist., marked $\frac{1}{4}$ S20 BT

45.00 W. rim of gulch, 85 ft. above $\frac{1}{4}$ sec. cor., bears NE. and S.; thence over slight E. exposure of mesa.

66.50 Top of raise, 35 ft. above rim, bears N. 30° E. and S. 30° W. gradually desc. W. slope, 70 ft. to

75.50 Draw, course S. 30° W.; gradually asc. 25 ft. to

Subdivision of T. 36 S., R. 25 E.

Chains

80.02

The cor. of secs. 17-18-19 and 20.

Land, rolling and broken mesa top, general exposure and drainage S.

Soil, shallow, dry sandy and clay loam, with scattered sandstone outcrops, lying on rock and hard clay subsoil.

Timber, dense cedar and pinon.

Undergrowth, scattering to medium growth of sagebrush.

Fair grazing land.

S. 89°54' W., on random line, bet. secs. 18 and 19.

40.00

Set temp. $\frac{1}{4}$ sec. cor.

75.66

Intersect the W. bdy. of tp., 15 lks. N. of the cor. of secs. 13-18-19 and 24, which is an iron post, 2 ins. dia., extending 12 ins. above ground, firmly set, properly marked and witnessed as described by the surveyor general. Thence,

N. 89°47' E., on true line, bet. secs. 18 and 19.

Over broken and rolling land, through medium dense timber and scattering undergrowth; asc. over broken, rocky SW. and W. slopes, 180 ft. to

13.35

Top of a 50 ft. rim ledge facing W., on W. edge of mesa point, bears NW. and S.20°E.: thence across S. point of high mesa, projecting S. 3 chs. to end, and bearing generally N.20°E. "Cactus Point".

15.10

Top of 50 ft. rim ledge facing E., bears N.15°E. and S.15°W.: desc. from mesa point over broken and rocky land facing SE.

35.66

On rocky SE. slope, 205 ft. below mesa point.

Set an iron post, 3 ft. long, 1 in. dia., 5 ins. in the ground to bedrock, and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked

S18

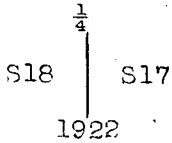
$\frac{1}{4}$

S19

1922

from which

Subdivision of T: 36 S., R. 25 E.

Chains	
	<p>A pinon, 6 ins.diam., bears S.53°W., 27 lks. dist., marked $\frac{1}{4}$ S19 BT</p> <p>A cedar, 6 ins.diam., bears N.16$\frac{1}{2}$°W., 92 lks. dist., marked $\frac{1}{4}$ S18 BT</p>
41.25	Small draw, 30 ft. deep, course SE.: thence over rolling general S. slope.
75.66	<p>The cor. of secs. 17-18-19 and 20, 100 ft. below $\frac{1}{4}$ sec. cor.</p> <p>Land, broken and rolling mesa or bench land, having a general southern exposure and drainage; W. $\frac{1}{2}$ mile crossing S. point of high mesa, locally known as "Cactus Point".</p> <p>Soil, rocky, clay and some shallow sandy loam; surface strewn with large boulders on western portion of mile.</p> <p>Timber, medium dense cedar and pinon.</p> <p>Undergrowth, scattering short sagebrush.</p> <p>Fair grazing land.</p>
	<hr/> <p>N. 0°03' W., bet. secs. 17 and 18.</p> <p>Over rolling and broken mesa or bench land facing S. and SE., through medium dense timber and scattering undergrowth; gradually ascending SE. slope, 125 ft. to</p>
40.00	<p>On a gradual SE. slope.</p> <p>Set an ironpost, 3 ft. long, 1 in. dia., 20 ins. in the ground to bedrock, and in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked</p> <div style="text-align: center;"> $\frac{1}{4}$  S18 S17 1922 </div> <p>from which</p> <p>A cedar, 6 ins.diam., bears S.38°E., 6 lks. dist., marked $\frac{1}{4}$ S17 BT</p> <p>A cedar, 6 ins.diam., bears N.56°W., 9 lks. dist., marked $\frac{1}{4}$ S18 BT</p>
51.50	Top of raise on E. slope, bears E. and W.; thence along a broken E. slope, over series of small spurs and draws putting E. into large draw, draining S.
80.00	On an E. slope, 75 ft. above $\frac{1}{4}$ sec. cor.

Subdivision of T. 36 S., R. 25 E.

chains

Set an iron post, 3 ft. long, 2 ins. dia., 16 ins. in the ground to bedrock, and in a large mound of stone, for cor. of secs. 7-8-17 and 18, with brass cap marked

T36S	R25E
S7	S8
S18	S17

1922

from which

- A cedar, 8 ins. diam., bears N. 40° E., 45 lks. dist., marked T36S R25E S8 BT
- A pinon, 6 ins. diam., bears S. 25° E., 79 lks. dist., marked T36S R25E S17 BT
- A cedar, 4 ins. diam., bears S. 60° W., 71 lks. dist., marked T36S R25E S18 BT
- A cedar, 4 ins. diam., bears N. 63° W., 28 lks. dist., marked T36S R25E S7 BT

Land, rolling and broken; exposure S., SE and E.; drainage S.

Soil, reddish clay loam and rocky; gray sandstone formation.

Timber, medium dense cedar and pinon.

Undergrowth, scattering sagebrush.

Fair grazing land.

N. 89° 54' E., on random line, bet. secs. 8 and 17.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.04 Intersect N. and S. line, 7 lks. N. of the cor. of secs. 8-9-16 and 17. Thence,

S. 89° 57' W., on true line, bet. secs. 8 and 17.

Over rolling and broken land, through dense timber and scattering undergrowth; gradually desc. W. slope, 90 ft.

12.80 Draw, course S.; asc. broken E. slope.

40.02 On E. slope, 190 ft. above draw.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

S8

 $\frac{1}{4}$

S17

1922

from which

Subdivision of T. 36 S., R. 25 E.

Chains	
	<p>A cedar, 8 ins. diam., bears S. $29\frac{1}{2}^{\circ}$ E., 27 lks. dist., marked $\frac{1}{4}$ S17 BT</p> <p>A pinon, 10 ins. diam., bears N. $88\frac{1}{4}^{\circ}$ E., 28 lks. dist., marked $\frac{1}{4}$ S8 BT</p> <p>Cor. stands 50 lks. E. of large sandstone boulder, 20x20x12 ft.</p> <p>Asc. abrupt, rocky E. face of mesa slope, 175 ft. to</p>
45.75	Top of 40 ft. sandstone ledge on E. rim of mesa top, bears N. and S.; gradually asc. 25 ft. to
47.50	Top of ascent on mesa top, bears N. and S.; desc. gradually over broken W. slope, 95 ft. to
63.70	Top of a 30 ft. ledge facing W. on W. rim of mesa, bears N. 30° W. and S. 10° W; desc. steep, rocky W. and SW. slope; 150 ft. to
75.50	Bottom of draw, course S. 10° E.; asc. 25 ft. to
80.04	The cor. of secs. 7-8-17 and 18.
	<p>Land, rough and broken, crossing point of high mesa in W. $\frac{1}{2}$ mile; which extends S. about 18 chs. to end; general exposure and drainage to S:</p> <p>Soil, rocky and clay, with shallow sandy loam; surface strewn with boulders on greater portion of mile.</p> <p>Timber, dense cedar and pinon, on mile,</p> <p>Undergrowth, scattering sagebrush. Fair grazing land.</p>
	<hr/>
	S. $89^{\circ}47'$ W., on random line, bet. secs. 7 and 18.
40.00	Set temp. $\frac{1}{4}$ sec. cor:
75.44	Intersect W. bdy. of tp., 5 lks. N. of the cor. of secs. 7-12-13 and 18, which is an iron post, 2 ins. dia., firmly set in ground and in a small mound of stone, properly marked and witnessed as described by the surveyor general. Thence;
	N. $89^{\circ}45'$ E., on true line, bet. secs. 7 and 18.
	Gradually ascending over broken land facing W. and SW., through medium dense timber and scattering undergrowth.
35.44	On a steep, rocky SW. slope, 140 ft. above sec. cor. Set an iron post, 3 ft. long, 1 in. dia., 6 ins. in

Subdivision of T.36-S., R. 25 E.

Chains

the ground to bedrock, and in a large mound of stone,
for $\frac{1}{4}$ sec. cor., with brass cap marked

S7

$$\frac{1}{4} \text{ S18 } 1922$$

from which

A cedar, 5 ins. diam., bears S. 50° W., 66 lks.
dist., marked $\frac{1}{4}$ S18 BT

A pinon, 5 ins. diam., bears N. 48° W., 35 lks.
dist., marked $\frac{1}{4}$ S7 BT

Continue gradual ascent over broken W. slope.

45.00 Begin abrupt ascent over W. break of mesa, bears NE.
and SW.

50.75 W. rim of mesa top, 235 ft. above $\frac{1}{4}$ sec. cor., bears
N. 15° E. for 15 chs. thence NW., and S. 30° W.; thence
across rolling top.

52.00 Top of raise on the mesa, 15 ft. above rim, bears N. 30° E.
and S. 30° W.; gradually desc. along top to

58.40 Top of a 40 ft. sandstone ledge on E. rim of mesa,
bears N. 30° E. and S. 20° W.; desc. broken E. and SE.
slopes, 220 ft. to

75.44 The cor. of secs. 7-8-17 and 18.

Land, broken, sloping W. and E. from point of high
mesa, extending S. 30° W. for about 1 mile to end.

Soil, rocky and clay, with shallow sandy loam; surface
strewn with large sandstone and conglomerate boulders.

Timber, medium dense cedar and pinon.

Undergrowth, scattering sagebrush and service berry.

Fair grazing land.

N. $0^{\circ}03'$ W., bet. secs. 7 and 8.

Over broken land, through dense timber and scattering
undergrowth; along a gradual E. slope to

9.65 Bottom of draw, level with sec. cor., course SE.; asc.
steep, rocky S. slope, 160 ft. to

19.15 Top of a 30 ft. conglomerate ledge on S. edge of mesa,
bears NW. and E.; thence over rolling top of high mesa,

Subdivision of T1 36 S., R. 15 E.

Chains

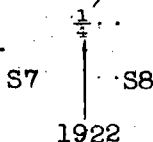
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slight W. exposure.

31.45 Shallow ravine, near head, course SW. for 6 chs. thence S. to SE. through break in mesa; gradually asc. S. slope

37.00 Leave rocky land, bears NE. and SW.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked



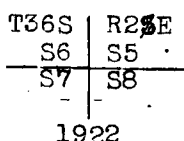
from which

A cedar, 14 ins.diam., bears S.63 $\frac{1}{2}$ °E., 34 lks.
dist., marked $\frac{1}{4}$ S8 BT

A cedar, 6 ins.diam., bears S.72 $\frac{1}{2}$ °W., 7 lks.
dist., marked $\frac{1}{4}$ S7 BT

50.00 Top of slight raise on mesa, 40 ft. above $\frac{1}{4}$ sec. cor., bears NE. and SW.; thence over gentle NW. exposure.

80.00 Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 5-6-7 and 8, with brass cap marked



from which

A cedar, 12 ins.diam., bears N.31°E., 31 lks.
dist., marked T36S R25E S5/BT

A cedar, 10 ins.diam., bears S.45°E., 27 lks.
dist., marked T36S R25E S8/BT

A cedar, 8 ins.diam., bears S.49 $\frac{1}{4}$ °W., 41 lks.
dist., marked T36S R25E S7/BT

A cedar, 8 ins.diam., bears N.26 $\frac{1}{2}$ °W., 57 lks.
dist., marked T36S R25E S6/BT

S. 19.15 chs. is broken land, sloping S. from mesa; remainder of mile is rolling top of high mesa; exposure and drainage S. and NW.

Soil, clay, shallow sandy loam and rocky; gray sandstone, with conglomerate along mesa rim.

Timber, dense cedar and pinon.

Undergrowth, scattering to medium growth of sagebrush.

Fair grazing land.

31.21

chains

N. 89°57' E., on random line, bet. secs. 5 and 8.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.02 Intersect N. and S. line, 7 lks. N. of the cor. of secs. 4-5-8 and 9. Thence,

West, on true line, bet. secs. 5 and 8.

Over broken land, through dense timber and scattering undergrowth; gradually asc. over land facing SE.

30.00 Base of mesa break, bears NE. and SW.; asc. abrupt, ledgy SE. face.

36.15 Top of a 30 ft. sandstone ledge on rim of mesa, 290 ft. above sec. cor., bears NE. and SW.; thence over rolling mesa top.

40.02 On gentle SE. slope, 25 ft. above the rim.

Set an iron post, 3 ft. long, 1 in. dia., 4 ins. in the ground to bedrock, and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked

S5

$\frac{1}{4}$

S8

1922

from which

A cedar, 12 ins. diam., bears S. 66 $\frac{1}{2}$ ° E., 57 lks. dist., marked $\frac{1}{4}$ S8 BT

A pinon, 8 ins. diam., bears N. 12° E., 35 lks. dist., marked $\frac{1}{4}$ S5 BT

Continue a gentle ascent over E. exposure to

60.00 Top of raise on mesa, bears N. 30° E. and S. 30° W.; thence over slight W. exposure, desc. 40 ft. to

80.02 The cor. of secs. 5-6-7 and 8.

E. portion of mile is broken land facing SE., sloping from rim of mesa; remainder of mile is rolling top of high mesa, with gentle E. and W. exposures.

Soil, rocky and clay, with shallow sandy loam: the

E. portion is covered with large boulders on surface.

Timber, dense cedar and pinon, on mile.

Undergrowth, scattering sagebrush.

Fair grazing land.

Chains	
	S. 89°45' W., on random line, bet. secs. 6 and 7.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
75.41	Intersect W. bdy. of tp., 2 lks. N. of the cor. of secs. 1-6-7 and 12, which is an iron post, 2 ins. dia., extending 12 ins. above ground, firmly set, marked and witnessed as described by the surveyor general.
	Thence,
	N. 89°44' E., on true line, bet. secs. 6 and 7.
	Over rolling and broken land facing W., through dense timber and scattering undergrowth; gradually asc. broken W. slope, 190 ft. to
35.41	On gradual W. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 18 ins. in the ground to bedrock, and in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked
	<div>S6</div> <div>$\frac{1}{4}$ —</div> <div>S7</div> <div>1922</div>
	from which
	A cedar, 14 ins. diam., bears N. 76° E., 64 lks. dist., marked $\frac{1}{4}$ S6 BT
	A cedar, 12 ins. diam., bears S. 40° W., 54 lks. dist., marked $\frac{1}{4}$ S7 BT
47.80	Base of mesa break, bears N. 30° E. and S. 30° W.; asc. abrupt, ledgy W. face of mesa, 185 ft. to
53.45	Top of a 40 ft. sandstone ledge on W. brink of mesa, 215 ft. above $\frac{1}{4}$ sec. cor., bears NE. 3 chs. to point, and SW.
55.40	Point of mesa top, projects N. 3 chs. to end.; desc. 15 ft. to
59.70	Rim of gulch, bears NW. and SE.; desc. 45 ft. to
61.70	Bottom of rocky gulch, course NW.; asc. 55 ft. to
63.70	Rim of gulch, bears NW. and SE.; thence gradually asc. W. slope over mesa top, 55 ft. to cor.
75.41	The cor. of secs. 5-6-7 and 8.
	Land, rough, broken and rolling; W. exposure and drainage into Horse Head Canyon.

Chains

Soil, rocky and clay, with shallow sandy loam; gray sandstone formation; surface strewn with large boulders on land under mesa.

Timber, dense cedar and pinon, on mile.

Undergrowth, scattering sagebrush. Fair grazing land.

N. 0°03' W., on true line, bet. secs. 5 and 6.

Over rolling mesa top, slight W. exposure, through dense timber and scattering undergrowth: gradually desc. 70 ft. to

21.15 Shallow draw, course S. 60° W.; gradually asc. S. slope, 55 ft. to

29.92 Intersect the Seventh Standard Parallel South, on S. bdy. of sec. 32, East, 20.54 chs. dist. of the S.C. of secs. 31 and 32, which is an iron post, 3 ins. dia., firmly set, and extending 12 ins. above ground, marked and witnessed as described by the surveyor general.

At point of intersection,

Set an iron post, 3 ft. long, 2 ins. dia., 18 ins. in the ground to bedrock, and in a large mound of stone, for the closing cor. of secs. 5 and 6, with brass cap marked

T35S R25E

S32

S6	S5
T36S	R25E

CC

1922

from which

A cedar, 8 ins. diam., bears S. 14 1/2° E., 46 lks. dist., marked T36S R25E S5 CC BT

A pinon, 8 ins. diam., bears S. 18 1/4° W., 54 lks. dist., marked T36S R25E S6 CC BT

Land, rolling top of high mesa, slight W. exposure.

Soil, shallow sandy loam, some clay and rocks.

Timber, dense cedar and pinon.

Undergrowth, scattering sagebrush.

Fair grazing land.

Latitudes, departures and closing errors.

Lines designated	True bearings	Distances Chs.	Latitudes.		Departures.	
			N. Chs.	S. Chs.	E. Chs.	W. Chs.
7th Sta. Par. S.						
N. bdy. T. 36 S. R. 25 E.	East ✓	476.26 ✓			476.26 ✓	
E. bdy. T. 36 S. R. 25 E.	South ✓	430.44 ✓		430.44 ✓		
S. bdy. T. 36 S. R. 25 E.	N 89° 58' W ✓	475.89 ✓	.28 ✓			475.89
W. bdy. T. 36 S. R. 25 E.	North ✓	430.28 ✓	430.28 ✓			
Convergency					50	
Totals -----			430.56 430.44	430.44	476.78 475.89	475.89
Error in latitude -----			0.12			
Error in departure -----					0.89	

General Description of T. 36 S., R. 25 E.

The lands embraced within this township consist principally of broken and rolling mesas and benches, cut by deep canyons and gulches. The general exposure and drainage is southwesterly towards Montezuma Canyon. The general elevation of the township is below the higher mesa country to north and east, but contains points from the higher mesa along the north and east portions. The greater part of the township is drained by Coalbed Canyon, a deep, sinuous and rocky canyon with abrupt, ledgy slopes, cutting through the central portion in a general southwesterly course, entering in sec. 2 and leaving in sec. 31. This canyon joins Montezuma Canyon about 1 mile to W. of this tp. The SE. portion is drained by Monument Canyon, nearly as deep and rugged as the first mentioned canyon, enters the township in sec. 24, and leaves in sec. 34. The extreme NE. portion of tp. drains westerly into Horsehead and Montezuma Canyons. The rims of the mesas are clearly defined by rim ledges and abrupt rocky slopes. The slopes varying from 200 to 500 ft. in height

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General Description of T. 36 S., R. 25 E.

The land lying between the Coalbed and Monument Canyons is generally rolling mesa or bench and contains large sagebrush openings and is the best grazing land within the township. To the north of Coalbed Canyon the land is more broken and rocky, covered with a very dense growth of cedar and pinon pine timber.

The soil on the tops of the mesa and benches is generally a reddish sandy loam, loose, coarse, shallow, mixed with rock and clay, lying on bedrock or clay subsoil; while on the rough slopes it is mostly rocky and clay, the surface being strewn with large boulders.

The formation is gray sandstone, with some trachyte.

The greater portion of the township is covered with a dense growth of scrub cedar and pinon pine timber; and undergrowth of sagebrush and greasewood.

Very little water is found within the township; there is an occasional seep or water pocket in the bottoms of Coalbed and Monument Canyons; a small seep of good water is located in ravine, in SW $\frac{1}{4}$ of SE $\frac{1}{4}$ of sec 9 and in NW $\frac{1}{4}$ of NE $\frac{1}{4}$ of sec. 16.

There are no settlers within the township, nor were there any indications of coal, mineral or oil found.

The township is suitable only for grazing and is being used principally as a winter range for cattle and horses.

The average magnetic declination is N.15°30' E.

Andrew Nelson,
U.S. Cadastral Engineer.

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Page

CERTIFICATE OF UNITED STATES SURVEYOR

I, ANDREW NELSON

U.S. Cadastral Engineer

of special instructions received from the U. S. Surveyor General for UTAH
 bearing date of the 31st day of May, 19 22, I have well, faithfully, and
 in my own proper person, and in strict conformity with said instructions, the Manual of Surveying In-
 structions, and the laws of the United States, surveyed all those parts or portions of south boundary
and subdivision of T. 36 S., R. 25 E.

of the Salt Lake
Base and Meridian, in the State of Utah, which are represented
 the foregoing field notes as having been executed by me, and under my direction, *on notes as shown on data diagram* and that all the corners
 said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instru-
 tions, and the special written instructions of the U. S. Surveyor General for Utah
 and in the specific manner described in the field notes, and that the foregoing are the original field notes
 such survey.

Salt Lake City, Utah.

Feb. 28, 1923.

U.S. Cadastral Engineer.

APPROVAL.

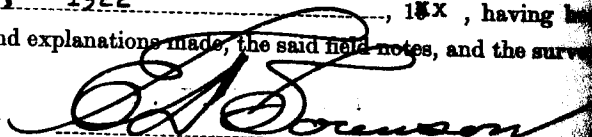
OFFICE OF THE UNITED STATES SURVEYOR GENERAL,
 Salt Lake City, Utah

July 28, 1923

The foregoing field notes of the survey of South boundary and subdivision of
Township 36 South, Range 25 East of the
Salt Lake Base and Meridian

executed by Andrew Nelson, U.S. Cadastral Engineer

under his special instructions dated May 31, 1922, 18x, having been
 critically examined, and the necessary corrections and explanations made, the said field notes, and the survey
 they describe, are hereby approved.


U. S. Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in _____
 _____, has been correctly copied from the original notes on file in this office.

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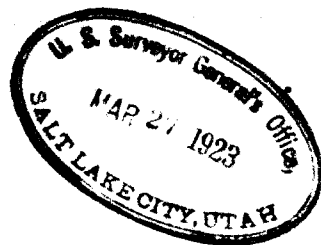
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BOOK A-465

4-570

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FIELD NOTES

OF THE ~~SCOTT'S BLVD. TRAIL~~

RETRACEMENT OF EAST BOUNDARY

AND SURVEY OF

SUBDIVISION OF

TOWNSHIP 3 7 SOUTH, RANGE 25 EAST.

Of the SALT LAKE BASE and Meridian,

In the State of UTAH

EXECUTED BY

ANDREW NELSON,

U.S. CADASTRAL ENGINEER.

In the capacity of U. S. Surveyor, ^{Supplemental} under instructions dated August 7, 1922.

Issued by the United States Surveyor General to govern surveys included in

Group No. 128, which were approved by the Commissioner of the General Land

Office, August 26, 1922.

Assignment Instructions dated May 12, 1922.

Survey commenced September 12, 1922

Survey completed October 7, 1922

BOOK A-465

INDEX DIAGRAM.

Township 37 South, Range 25 East

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74		72		54		40		28		15	
18	71	17	52	16	39	15	27	14	14	13	5
70		68		51		38		25		13	
19	67	20	50	21	37	22	24	23	12	24	5
65		64		49		36		23		10	
30	63	29	47	28	35	27	22	26	9	25	4
62		60		46		34		21		8	
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INDEX DIAGRAM.

Township 07 S, Range 25 E

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18 219 17	200 16	187 15	175 14	162 13	153
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T. 37 S., R. 25 E.

DATE DIAGRAM OF T. 37 S., R. 25 E.

6	5	4	3	2	1
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7	8	9	10	11	12
10-6/22	10-6/22	10-2/22	9-27/22	9-27/22	9-23/22
18	17	16	15	14	13
10-5/22	10-5/22	9-30/22	9-26/22	9-22/22	9-15/22
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10-4/22	10-4/22	9-21/22	9-20/22	9-22/22	9-15/22
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10-3/22	9-21/22	9-20/22	9-19/22	9-14/22	

All lines in this township were surveyed by Andrew Nelson,
U.S. Cadastral Engineer, on dates as shown above.

Survey commenced September 12, 1922, and executed with
a Buff & Buff transit No. 9978; equipped with Smith
solar attachment and full vertical circle. The horizont-
al limb is provided with two double verniers placed
opposite to each other and reading to single minutes
of arc, which is also the least count of the verniers
of the latitude and declination arcs, and the vertical
circle; unless otherwise specified all azimuth

T. 37 S. 3 R. 25 E.

determinations are accomplished with the solar attachment.

The instrument was approved for use in this survey by the Assistant Supervisor of Surveys, for Utah, conditional upon satisfactory field tests, in assignment instructions dated May 12, 1922.

Sept. 12th: At my station near the cor. of secs. 8-9-16 and 17, in approximate latitude $37^{\circ} 34'$ N., longitude $109^{\circ} 15'$ W., I examine the adjustments of the transit and correct all errors, then, to test the solar apparatus by comparing its indications resulting from solar observations made during a.m. and p.m. hours with a meridian determined by observations made on Polaris, I proceed as follows:

At 8h 12.4m p.m., l.m.t., I observe Polaris at eastern elongation, making six observations, three each with the telescope in direct and reversed positions, and mark the mean point in the line thus determined, on a peg driven firmly in the ground, about 10 chs. S. Azimuth of Polaris at eastern elongation = $1^{\circ} 24' 14''$.

Sept. 13th: At 8h 0m a.m., I lay off the azimuth of Polaris $1^{\circ} 24\frac{1}{2}'$, to the east, and mark the line thus determined by a nail in a peg driven firmly in the ground, about 10 chs. S.

At 8h 30m a.m., app.t., I set off $37^{\circ} 34'$ N. on the lat. arc; $3^{\circ} 57\frac{1}{2}'$ N. on the decl. arc; and determine a meridian with the solar which falls 1' to the right of the true meridian.

At abpt. noon I make a meridian observation of the sun for time and latitude, observing simultaneously the altitude of the sun's lower limb and the transit of the sun's west limb, reversing the telescope and observing simultaneously the altitude of the sun's upper limb and the transit of the sun's east limb.

T. 37 S., R. 25 E.

Mean observed altitude -----	56° 19' 30"
Reduced latitude -----	37° 34.3' ✓
Mean watch time of observation -----	11h 55m 15s
Watch slow of local mean time -----	Om 45s

At apparent noon I set off 3° 54' N. on the decl. arc and observe the sun on the meridian, the resulting lat. is 37° 34 $\frac{1}{2}$ '; which is the approximate lat. of this station.

At 3h 15m p.m., app.t., with the lat. arc unchanged, I set off 3° 51 $\frac{1}{4}$ ' N. on the decl. arc, and determine a meridian with the solar which agrees with the true meridian.

As all the solar observations during the usual hours of solar work come within 1' 30" of the true meridian, I conclude that the adjustments of the instrument are satisfactory. The instrument was kept in good adjustment during the progress of this survey, frequent tests being made on the above true meridian, and latitude observations were taken daily whenever practicable.

Near the completion of this township I make the following final test at the above station.

Oct. 1st: At 8h 0m a.m., app.t.; I set off 37° 34 $\frac{1}{2}$ ' N. on the lat. arc; 3° 0' 30" S. on the decl. arc, and determine a meridian with the solar which falls $\frac{1}{2}$ ' to right of the true meridian.

At app. noon, with the lat. arc unchanged, I observe the sun on the meridian; the resulting reading of the decl. arc is 3° 5' S., which agrees with the computed declination of the sun.

At 3h 30m p.m., app.t., with the lat. arc unchanged, I set off 3° 8' S., on the decl. arc; and determine a meridian with the solar which I find to agree with the true meridian.

MEASUREMENTS.

Unless otherwise specified all measurements are made with a Lallie steel ribbon tape 8 chains in length, compared with a Lufkin standard steel tape 1 chain in

Retracement of East Boundary T. 37 S., R. 25 E.

Chains

length, and found correct. The measurements are made on the slope, the vertical angles determined with clinometers, and the measurements properly reduced to true horizontal distances, which only appear in these notes.

RETRACEMENT OF EAST BOUNDARY, T. 37 S., R. 25 E.

Knowing there is a closing error of more than 1 chain in easting and westing of this township, before subdividing same I retrace the east boundary as follows: From the cor. of Ts. 37 and 38 S., Rs. 25 and 26 E., which is an iron post, 3 ins. dia., extending 12 ins. above ground, firmly set, properly marked and witnessed as described by the surveyor general. Thence,

North, on retracement line, bet. secs. 31 and 36.

40.00 Fall 5 lks. W. of the $\frac{1}{4}$ sec. cor., which is an iron post, 1 in. dia., extending 12 ins. above ground, marked and witnessed as described by the surveyor general.

True course and distance of this $\frac{1}{2}$ mile is therefore, N. $0^{\circ}04'$ E., 40.00 chs.

Continue North from transit point 5 lks. W. of cor.

80.00 Fall 7 lks. W. of the cor. of secs. 25-30-31 and 36, which is an iron post, 3 ins. dia., extending 12 ins. above ground, firmly set, marked and witnessed as described by the surveyor general.

True course and distance of N. $\frac{1}{2}$ mile therefore is N. $0^{\circ}02'$ E., 40.00 chs.

From the cor. of secs. 25-30-31 and 36.

North, on retracement line, bet. secs. 25 and 30.

30.00 W. of my line $\frac{1}{2}$ lks. dist. is the $\frac{1}{4}$ sec. cor., which is an iron post, 1 in. dia., extending 6 ins. above ground, marked and witnessed as described by the surveyor general.

True course of this $\frac{1}{2}$ mile therefore is N. $0^{\circ}01'$ W.,

Replacement of East Boundary T.37 S., R.25 E.

Chains

and the distance is 39.96 chs.

Continue North from transit station $1\frac{1}{2}$ lks. E. of cor.

79.90 Intersect the cor. of secs. 19-24-25 and 30, which is an iron post, 3 ins. dia., extending 12 ins. above ground, firmly set, properly marked and witnessed as described by the surveyor general.

True course and distance of N. $\frac{1}{2}$ mile therefore is N. $0^{\circ}01'$ E., 39.94 chs.

North, on retracement line, bet. secs. 19 and 24.

39.96 E. of my line 8 lks. dist. is the $\frac{1}{4}$ sec. cor., which is an iron post, 1 in. dia., extending 12 ins. above mound of stone, firmly set, properly marked and witnessed as described by the surveyor general.

True course and distance of this $\frac{1}{2}$ mile therefore is N. $0^{\circ}07'$ E., 39.96 chs.

Continue North on same line.

79.91 Fall 12 lks. W. of the cor. of secs. 13-18-19 and 24, which is an iron post, 3 ins. dia., extending 12 ins. above ground, firmly set, properly marked and witnessed as described by the surveyor general.

True course and distance of N. $\frac{1}{2}$ mile therefore is N. $0^{\circ}03'$ E., 39.95 chs.

North, on retracement line, bet. secs. 13 and 18.

39.94 E. of my line 3 lks. dist. is the $\frac{1}{4}$ sec. cor., which is an iron post, 1 in. dia., extending 10 ins. above mound of stone, firmly set, properly marked and witnessed as described by the surveyor general.

True course of this $\frac{1}{2}$ mile therefore is N. $0^{\circ}03'$ E., and dist. is 39.94 chs.

Continue North on same line.

79.88 Fall 5 lks. W. of the cor. of secs. 7-12-13 and 18, which is an iron post, 3 ins. dia., extending 16 ins.

Retracement of East Boundary T. 37 S., R. 25 E.

Chains

antenna

above ground, firmly set, properly marked and witnessed as described by the surveyor general.

True course and distance of N. $\frac{1}{2}$ mile therefore is N. $0^{\circ}02'$ E., 39.94 chs.

North, on retracement line, bet. secs. 7 and 12.

39.84 E. of my line 6 lks. dist. is the $\frac{1}{4}$ sec. cor., which is an iron post, 1 in. dia., extending 10 ins. above a mound of stone, firmly set, properly marked and witnessed as described by the surveyor general.

True course and dist. of this $\frac{1}{2}$ mile therefore is N. $0^{\circ}05'$ E., 39.84 chs.

Continue North on same line.

79.74 Fall 13 lks. W. of the cor. of secs. 1-6-7 and 12, which is an iron post, 3 ins. dia., extending 12 ins. above ground, firmly set, properly marked and witnessed as described by the surveyor general.

True course and distance of N. $\frac{1}{2}$ mile therefore is N. $0^{\circ}06'$ E., 39.90 chs.

North, on retracement line, bet. secs. 1 and 6.

40.07 E. of my line 4 lks. dist. is the $\frac{1}{4}$ sec. cor., which is an iron post, 1 in. dia., extending 12 ins. above ground, firmly set, marked and witnessed as described by the surveyor general.

True course and distance of this $\frac{1}{2}$ mile therefore is N. $0^{\circ}03'$ E., 40.07 chs.

Continue North on same line.

79.99 Fall 22 lks. W. of the cor. of Ts. 36 and 37 S., Rs. 25 and 26 E., which is a gray sandstone in place, showing 18x10x6 ins. above ground, marked with 6 notches on N, S, E and W. edges, witnessed by four bearing trees as described by the surveyor general.

True course and distance of N. $\frac{1}{2}$ mile therefore is N. $0^{\circ}15'$ E., 39.92 chs.

.Subdivision of T. 37 S., R. 25 E.

Chains

The average course of the east boundary as shown by retracement is N. 0°04' E., therefore in subdividing this township I run meridional lines parallel to said east boundary.

From the cor. of secs. 1-2-35 and 36, on S. bdy. of tp., which is an iron post, 2 ins. dia., extending 4 ins. above a large mound of stone, firmly set, properly marked and witnessed as described by the surveyor general.

N. 0°03' E., bet. secs. 35 and 36.

Over rolling and broken land facing W., through scattering scrub cedar and pinon, and short undergrowth; gradually desc. from cor. over N. slope, 50 ft. to

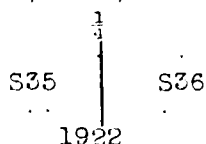
4.75 Bottom of small draw, drains W.: asc. broken S. and SW. slope 160 ft. to

21.25 Top of ascent on W. slope of broken hills, ascends E. to summit and slopes off to W.: desc. broken and rocky NW. slope.

38.50 Base of the broken and rocky land, bears NE. and SW.; continue over gently rolling bench, slight W. exposure.

40.00 On slight NW. slope, 90 ft. below top.

Set an iron post, 3 ft. long, 1 in. dia., 10 ins. in ground to underlying rock, and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked



from which

A cedar, 10 ins. diam., bears S. 19° W., 160 lks.
dist., marked $\frac{1}{4}$ S35 RT
A cedar, 8 ins. diam., bears S. 11 $\frac{1}{2}$ ° E., 176 lks.
dist., marked $\frac{1}{4}$ S36 BT

51.80 S. rim of draw, bears W., and E. for 5 chs. to end;
desc. abruptly 55 ft. to

54.85 Bottom of short, rocky draw, course W. for about 5 chs.
to junction with larger draw, course SW.; asc. 60 ft.

56.80 N. rim of draw, bears NW. and SE.; gently asc.

Subdivision of T. 37 S., R. 25 E.

Chains

acres 40

- 67.80 Ravine, 20 ft. deep, course SW.
- 73.00 Leave all timber, bears E. and NW.
- 80.00 On a slight S. exposure, 60 ft. above $\frac{1}{4}$ sec. cor.
Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in
the ground, for cor. of secs. 25-26-35 and 36, with
brass cap marked

T37S	R25E
S26	S25
S35	S36

1922

from which

- A cedar, 6 ins. diam., bears S. 87° E., 668 lks.
dist., marked T37S R25E S36 BT.
- A cedar, 8 ins. diam., bears S. $66^{\circ}40'$ W., 513 lks.
dist., marked T37S R25E S35 BT.
- A cedar, 10 ins. diam., bears N. $52^{\circ}10'$ W., 296 lks.
dist., marked T37S R25E S26 BT.

and raise a small mound of stone, W. of cor.

Land, rolling and broken, having a general W. to SW.
exposure and drainage.

Soil, clay and rocky, with some gravel and shallow
sandy loam; surface covered with loose boulders on
portions of mile.

Timber, scattering scrub cedar and pinon, on S. 73 chs.

Undergrowth, short scattering sagebrush and greasewood.

Fair grazing land.

East, on random line bet. secs. 25 and 36.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.

- 80.20 Intersect E. bdy. of tp., 1 lk. S. of the cor. of secs.
25-30-31 and 36, heretofore described.

Thence,

West, on true line, bet. secs. 25 and 36.

Over rolling top of high mesa, through dense timber
and short scattering undergrowth.

- 12.35 W. brink of mesa top, 15 ft. below sec. cor., bears
N. and S.; desc. abrupt, rocky W. slope, through scatter-
ing timber.

- 27.00 Base of the abrupt mesa slope, bears with top; continue

Chains

more gradual descent W. slope.

34.60 Leave all but few scattered trees, bears N. and S.

40.10 On a slight W. slope, 260 ft. below top of mesa.
Set an iron post, 3 ft. long, 1 in. dia., 12 ins. in
ground to bedrock, and in a mound of stone, for $\frac{1}{4}$ sec.
cor. with brass cap marked.

mined S25

$\frac{1}{4}$ ———

S36

1922

from which

A cedar, 6 ins. diam., bears N. 88° E., 16 lks.
dist., marked $\frac{1}{4}$ S25 BT

A cedar, 10 ins. diam., bears S. 85 $\frac{1}{4}$ ° E., 71 lks.
dist., marked $\frac{1}{4}$ S36 BT

Continue a gradual descent over W. slope, 70 ft. to

60.10 Shallow ravine, 40 lks. wide, course SW.; gently asc.
over rolling S. slope, 15 ft. to

80.20 The cor. of secs. 25-26-35 and 36. Dense timber
E. 12.35 chs., rolling top of upper mesa, covered with
dense cedar and pinon; soil, shallow sandy loam and
rocky; next 14.65 chs. is abrupt W. face of mesa slope;
soil, rocky in form of boulders and small rim ledges;
remainder of mile is rolling and gently rolling bench,
having a general SW. exposure and drainage; soil,
clay and sandy loams, mixed with some scattered rock:
sandstone formation.

Timber, scattering cedar and pinon, along slope of mesa.

Undergrowth, scattering sagebrush and greasewood.

Fair grazing land.

N. 0° 03' E., bet. secs. 25 and 26.

Over rolling land facing S., through short undergrowth.

5.00 Enter medium dense timber, bears N. 10° E. and SW.

24.70 Stock trail, bears N. 60° E. and S. 60° W.

40.00 On gradual S. slope, 90 ft. above sec. cor.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in
the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

Subdivision of T. 16 N. R. 12 E. S. 25 E.

Chains

S25 S25

1922

from which

A cedar, 6 ins.diam., bears N. $16\frac{3}{4}^{\circ}$ E., 96 lks.
dist., marked $\frac{1}{4}$ S25 BTA cedar, 5 ins.diam., bears S. $51\frac{1}{2}^{\circ}$ W., 38 lks.
dist., marked $\frac{1}{4}$ S26 BT41.70 Slope changes from SW. to SE., bears NW. and SE.; begin
steeper ascent.59.40 S. rim of mesa, 220 ft. above $\frac{1}{4}$ sec. cor., bears E. and
W.; thence over rolling top, slight ascent of 50 ft. to

74.65 Top of raise; bears NE. and SW.; over NW. exposure.

80.00 On slight NW. exposure.

Set an iron post, 3 ft. long, 2 ins. dia., 16 ins. in
the ground to bedrock, and in a mound of stone, for
cor. of secs. 23-24-25 and 26, with brass cap marked

T37S	R25E
S23	S24
S26	S25

1922

from which

A cedar, 13 ins.diam., bears N. $31\frac{1}{2}^{\circ}$ E., 90 lks.
dist., marked T37S R25E S24 BTA cedar, 12 ins.diam., bears S. 30° E., 81 lks.
dist., marked T37S R25E S25 BTA cedar, 10 ins.diam., bears S. $12\frac{1}{2}^{\circ}$ W., 81 lks.
dist., marked T37S R25E S26 BTA cedar, 14 ins.diam., bears N. 30° W., 88 lks.
dist., marked T37S R25E S23 BTLand, rolling and broken bench and mesa, having a
general southern exposure and drainage.Soil, clay mixed with gravel, and rocky; sandstone
formation.

Timber, medium dense cedar and pinon, on N. 75 chs.

Undergrowth, scattering sagebrush and greasewood.

Fair grazing land.

East, on random line, bet. secs. 24 and 25.

40.00 Set temp. $\frac{1}{4}$ sec. cor:

80.28 Intersect E. bdy. of tp.; 21 lks. N. of the cor. of

-10-
Subdivision of T. 37 S., R. 25 E.

Chains

secs. 19-24-25 and 30, heretofore described.

Thence,

N. 89°51' W., on true line, bet. secs. 24 and 25.

Over broken mesa land, through dense timber and short scattering undergrowth; desc. rocky W. slope, 55 ft. to

4.25 Wash, 20 lks. wide, 3 ft. deep, dry, in bottom of canyon, course S.; a very small alkaline seep bears up canyon 3 chs. dist.; asc. abrupt, rocky E. slope.

7.00 W. brink of canyon and edge of mesa, 135 ft. above canyon, bears N. and S.; gently asc. over rolling top.

9.60 Dim road, bears N. 10° W. and SE.

24.80 Mesa spur, 85 ft. above rim, projects SW., and bears N. 30° E.; continue over rolling S. and SW. exposure.

40.14 On a slight W. exposure.

Set an iron post, 3 ft. long, 1 in. dia., 6 ins. in ground to bedrock, and in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked

S24

$\frac{1}{4}$ —

S25

1922

from which

A cedar, 14 ins. diam., bears S. 34° E., 74 lks. dist., marked $\frac{1}{4}$ S25 BT

A cedar, 6 ins. diam., bears N. 25° E., 36 lks. dist., marked $\frac{1}{4}$ S24 BT

41.60 E. rim of gulch, bears N. and S.; desc. abrupt, rocky W. slope, 135 ft. to

47.00 Gulch, course S.; asc. steep E. slope.

47.90 Stock trail, bears N. and S.

51.30 W. rim of gulch, bears N. and S., 90 ft. above bottom. Gradually asc. 30 ft. to

73.00 Raise on mesa, bears NE. and SW.; desc. W. slope, 50 ft.

80.28 The cor. of secs. 23-24-25 and 26.

Land, broken mesa, southern exposure and drainage.

Soil, clay, shallow sandy loam and scattered outcrops of sand rock.

Timber, dense cedar and pinon.

Undergrowth, scattering sagebrush. Fair grazing land.

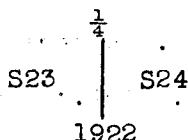
Chsins

N. 0°03' E., bet. secs. 23 and 24.

Over rolling mesa, through dense timber and scattering undergrowth; gradually ascending along SW. slope, cut by numerous small washes, draining SW.

40.00

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked



from which

A cedar, 12 ins. diam., bears S. 19° W., 15 lks.
dist., marked $\frac{1}{4}$ S23 BT

A cedar, 10 ins. diam., bears N. 37° E., 39 lks.
dist., marked $\frac{1}{4}$ S24 BT

Cor. stands on gentle SE. slope, 110 ft. above sec. cor.

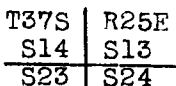
75.00

Low flat ridge, bears N. 80° E. and S. 80° W.; continue slight ascent over W. slope.

80.00

On gradual W. slope, 90 ft. above $\frac{1}{4}$ sec. cor.

Set an iron post, 3 ft. long, 2 ins. dia., 20 ins. in ground to bedrock, and in a mound of stone, for cor. of secs. 13-14-23 and 24, with brass cap marked



1922

from which

A cedar, 10 ins. diam., bears N. 72 $\frac{1}{2}$ ° E., 45 lks.
dist., marked T37S R25E S13 BT

A pinon, 10 ins. diam., bears S. 76° E., 97 lks.
dist., marked T37S R25E S24 BT

A cedar, 12 ins. diam., bears S. 53 $\frac{1}{4}$ ° W., 49 lks.
dist., marked T37S R25E S23 BT

A cedar, 14 ins. diam., bears N. 78 $\frac{1}{2}$ ° W., 45 lks.
dist., marked T37S R25E S14 BT

Land, rolling mesa, having a general exposure and drainage to SW. on the S. 75 chs., and to W. to NW. on N. 5 chs.

Soil, clay, shallow sandy and gravelly loam, mixed with rock; gray sandstone formation.

Timber, dense cedar and pinon.

Undergrowth, scattering sagebrush.

Fair grazing land.

Subdivision of T. 37 S., R. 25 E.

Chains	
	S. $89^{\circ}51'$ E., on random line bet. secs. 13 and 24.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.32	Intersect E. bdy. of tp., 7 lks. N. of the cor. of secs. 13-18-19 and 24 heretofore described.
	Thence,
	N. $89^{\circ}48'$ W., on true line bet. secs. 13 and 24.
	Over broken mesa land, through dense timber and scattering undergrowth; gently asc. along rolling top.
3.40	Raise on mesa, 25 ft. above cor., bears NE. and S.
6.80	E. rim of draw, bears N. and S.; desc. steep, rocky W. slope, 90 ft. to
19.90	Wash, 5 lks. wide, 1 ft. deep in bottom of wide draw, course S. 30° W.; asc. rocky SE. slope, 100 ft. to
31.40	S. point of rocky spur, bears N. and breaks off to S.; desc. W. slope, 115 ft. to
40.16	In draw bottom.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	S13
	$\frac{1}{4}$ ———
	S24
	1922
	from which
	A cedar, 10 ins. diam., bears S. 26° E., 68 lks. dist., marked $\frac{1}{4}$ S24 BT
	A cedar, 12 ins. diam., bears N. 34° W., 35 lks. dist., marked $\frac{1}{4}$ S13 BT
40.50	Wash, 15 lks. wide, 2 ft. deep, in bottom of draw, course S. 10° E.; junction of draws from N. 30° E. and N. 30° W. 50 lks. N. of line.
	Asc. broken and rocky E. slope, 130 ft. to
51.60	W. rim of draw, bears N. and S.; gradually asc. over rolling top of mesa, 75 ft. to
65.00	W. rim of upper mesa, bears NW. and SE.; desc. gradual broken W. slope, 170 ft. to
80.32	The cor. of secs. 13-14-23 and 24.
	Land, broken and rough mesa, cut by rocky draws; drainage S.

Chains

Soil, shallow sandy loam, clay and rocky; gray sandstone formation.

Timber, dense cedar and pinon.

Undergrowth, scattering to medium growth of sagebrush.

Fair grazing land.

N. 0°03' E., bet. secs. 13 and 14.

Over rolling and broken land; through dense timber and short scattering undergrowth; gradually asc. along W. slope, 35 ft. to

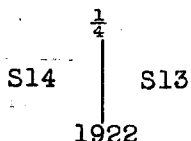
7.00 Top of ascent on W. slope, bears E.; gradually desc.

NW. slope along mesa top, 85 ft. to

26.20 N. brink of high mesa, bears NE. and SW.; desc. over broken and rocky N. slope.

40.00 On a NW. slope, 110 ft. below brink of mesa.

Set an iron post, 3 ft. long, 1 in. dia., 6 ins. in ground to bedrock, and in a large mound of stone, for $\frac{1}{4}$ sec. cor., which brass cap marked



from which

A pinon, 10 ins. diam., bears S. 75° E., 47 lks. dist., marked $\frac{1}{4}$ S13 BT

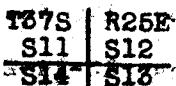
A cedar, 8 ins. diam., bears S. 56° W., 17 lks. dist., marked $\frac{1}{4}$ S14 BT

Continue gradual descent over N. and NW. slopes, 50 ft.

59.45 Canyon, course S. 60° W.; gradually asc. broken SW. slope, cut by numerous small washes, draining SW., 85 ft. to

80.00 On broken SW. slope.

Set an iron post; 3 ft. long, 2 ins. dia., 8 ins. in ground to bedrock, and in a mound of stone, for cor. of secs. 11-12-13 and 14, with brass cap marked



1922

from which

- A pinon, 10 ins.diam., bears N.34 $\frac{1}{2}$ °E., 48 lks.
dist., marked T37S R25E S12 BT
A pinon, 12 ins.diam., bears S.21 $\frac{1}{2}$ °E., 66 lks.
dist., marked T37S R25E S13 BT
A pinon, 12 ins.diam., bears S.55°W., 54 lks.
dist., marked T37S R25E S14 BT
A pinon, 8 ins.diam., bears N.21°W., 71 lks.
dist., marked T37S R25E S11 BT

Land, broken and rolling top of high mesa, on S. 26.20

chs.; broken slopes on remainder; exposure W., NW., and SW.; drainage W.

Soil, rocky, clay and shallow sandy loam; surface on grater portion of mile covered with large boulders.

Timber, dense cedar and pinon.

Undergrowth, short scattering sagebrush.

Fair grazing land.

S. 89°48' E., on random line bet. secs. 12 and 13.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.22 Intersect E. bdy. of the tp., 16 lks. N. of the cor. of secs. 7-12-13 and 18, heretofore described.

Thence,

N. 89°41' W., on true line bet. secs. 12 and 13.

Over rough and broken land, through dense timber and scattering undergrowth; gradually desc. W. slope over mesa top, 90 ft. to

11.20 Rim of canyon, bears NE. and S.70°W.; desc. along steep, broken N. slope, through heavier undergrowth.

26.90 Bottom of narrow canyon, 185 ft. below rim, at bend from N.80°E. to course N.80°W.; proceed along N. slope, near bottom to

34.00 Recross bottom of canyon, course S.80°W.; thence along S. slope.

40.11 On a gradual S. slope, level with canyon.

Set an iron post, 3 ft. long, 1 in. dia., 20 ins. in the ground to bedrock, and in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked

S12

$\frac{1}{4}$

S13

1922

CHAINS

from which:

A cedar, 12 ins. diam., bears S. 35° E., 91 lks.
dist., marked $\frac{1}{4}$ S13 BT

A cedar, 10 ins. diam., bears N. 10° W., 86 lks.
dist., marked $\frac{1}{4}$ S12 BT

41.55 Bottom of draw, 15 ft. below $\frac{1}{4}$ sec. cor., course S. for
2 $\frac{1}{2}$ chs. to canyon, thence S. 70° W.; begin abrupt ascent
over rocky E. slope, 130 ft. to

47.60 Rim of canyon, bears N. and S W.: continue ascent over
rocky E. slope of mesa point, 140 ft. to

57.30 Top of ascent on mesa point, extends S. 1 ch. to point
and bears N.; desc. E. slope, 90 ft. to

69.90 E. brink of mesa and top of a 50 ft. vertical ledge;
bears N. E. and S E.; desc. broken S W. slope, 185 ft. to

80.22 The cor. of secs. 11-12-13 and 14.

Land, rough and broken having a general S W. exposure
and drainage: broken by abrupt, ledgy slopes.

Soil, shallow sandy loam, clay and rocky in form of
sandstone outcrops and boulders.

Timber, dense cedar and pinon.

Undergrowth, scattering sagebrush; dense tall oak,
service and buck brush on N. slope of canyon.

Fair grazing land on portions of mile.

N. 0° 03' E.; bet: secs. 11 and 12.

Over rough broken land, through dense timber and short
scattering undergrowth: asc. over broken S W. slope.

20.85 Brink of high mesa, 300 ft. above sec. cor., bears
N. 60° W. and S E.: thence gradually asc. over rolling
top of mesa; 120 ft. to

41.00 On top of ascent on mesa.

Set an iron post, 3 ft. long, 1 in. dia., 6 ins. in
the ground to bedrock, and in a mound of stone, for $\frac{1}{4}$
sec. cor., with brass cap marked

S11 | S12
1922

Subdivision of T: 37 S., R: 25 E.

Chains

from which

- A cedar, 10 ins.diam., bears S.81 $\frac{1}{2}$ °E., 110 lks.
dist., marked $\frac{1}{4}$ S12 BT
- A pinon, 6 ins.diam., bears S.44 $\frac{1}{2}$ °W., 27 lks.
dist., marked $\frac{1}{4}$ S11 BT

- 44.10 N. brink of mesa top, 15 ft. below $\frac{1}{4}$ sec. cor., bears
NE. and S $\frac{1}{2}$ W.: desc. abrupt, rocky NW. slope, 325 ft. to
- 54.00 Base of abrupt mesa slope, bears NE. and S $\frac{1}{2}$ W.: continue
gradual descent over rocky and broken NW. slope.
- 80.00 On a gradual N. slope, 430 ft. below $\frac{1}{4}$ sec. cor.
Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in
the ground, for cor. of secs. 1-2-11 and 12, with brass
cap marked

T37S	R25E
S2	S1
S11	S12

1922

from which

- A cedar, 12 ins.diam., bears N.27 $\frac{1}{2}$ °E., 82 lks.
dist., marked T37S R25E S1 BT
- A cedar, 9 ins.diam., bears S.20°E., 104 lks.
dist., marked T37S R25E S12 BT
- A pinon, 8 ins.diam., bears S.31°W., 170 lks.
dist., marked T37S R25E S11 BT
- A cedar, 10 ins.diam., bears N.29 $\frac{1}{2}$ °W., 51 lks.
dist., marked T37S R25E S2 BT

Land, rough and broken: S $\frac{1}{2}$ W. and NW. exposures from
point of high mesa: drainage W.

Soil, rocky, clay and shallow sandy loam: surface
strewn with large boulders on portions of mile under
mesa.

Timber, dense cedar and pinon, on mile.

Undergrowth, scattering sagebrush. Fair grazing land.

S. 89°41' E., on random line bet. secs. 1 and 12.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.

- 80.26 Intersect E. bdy. of the tp., 30 lks. N. of the cor. of
secs. 1-6-7 and 12, heretofore described. As the true
course bet. this sec. cor. and the cor. of secs. 1-2-
11 and 12 would exceed the perscribed limit of 21' of
arc. Therefore at point of intersection,

Subdivision of T. 37 S., R. 25 E.

Chains

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground for cor. of secs. 1 and 12, with brass cap marked

T37S
S1
S12
R25E

T37S
R26E
S6

1922

from which

A cedar, 14 ins.diam., bears S.45°W., 44 lks.
dist., marked T37S R25E S12 BT
A cedar, 14 ins.diam., bears N.58°W., 71 lks.
dist., marked T37S R25E S1 BT

I deface marks on post and the bearing trees that pertain to R. 25 E., on the original cor., leaving same for secs. 6 and 7, T.37 S., R.26 E. only.

Thence, from the cor. of secs. 1 and 12.

N. 89°41' W., on true line bet. secs. 1 and 12.

Over rolling top of high mesa, through dense timber and scattering undergrowth.

18.10 Brink of mesa top, 10 ft. below sec. cor., bears NE. and SW.; desc. abrupt, rocky NW. slope, 285 ft. to

28.40 Base of abrupt descent, bears NE. and SW.; continue more gradual descent over broken NW. slope.

40.13 On a gradual SW. slope, 325 ft. below brink of mesa. Set an iron post, 3 ft. long, 1 in. dia., 20 ins. in the ground to bedrock, and in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked

S1

$\frac{1}{4}$

S12

1922

from which

A cedar, 8 ins.diam., bears S.30°E., 32 lks.
dist., marked $\frac{1}{4}$ S12 BT
A cedar, 10 ins.diam., bears N.35°W., 29 lks.
dist., marked $\frac{1}{4}$ S1 BT

80.26 The cor. of secs. 1-2-11 and 12, 160 ft. below $\frac{1}{4}$ sec. cor. E. 18.10 chs. is rolling top of high mesa; remainder of mile is broken general NW. slope, draining into Lake Canyon.

Subdivision of T. 37 S., R. 25 E.

Chains

Soil, rocky, clay and sandy loam; surface strewn with boulders on portion of mile under mesa.

Timber, dense cedar and pinon.

Undergrowth, scattering sagebrush. Fair grazing land.

N. $0^{\circ}03'$ E., on random line bet. secs. 1 and 2.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.22 Intersect N. bdy. of tp., 28 lks. W. of the cor. of secs. 1-2-35 and 36, an iron post, 2 ins. dia., as recently set by me and described in notes of T. 36 S., R. 25 E.

Thence,

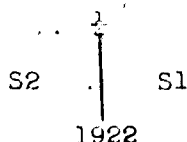
S. $0^{\circ}15'$ W., on true line bet. secs. 1 and 2.

Over broken land facing SE., through dense timber and short scattering undergrowth; gradually descending

over broken and rocky SE. slope, 210 ft. to

39.22 On SE. slope.

Set an iron post, 3 ft. long, 1 in. dia., 12 ins. in ground to bedrock, and in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked



from which

A pinon, 10 ins. diam., bears N. 55° E., 67 lks. dist., marked $\frac{1}{4}$ S1 BT

A cedar, 10 ins. diam., bears S. 70° W., 54 lks. dist., marked $\frac{1}{4}$ S2 BT

Continue descent over broken SE. slope of 250 ft. to

61.70 Bottom of Lake Canyon, course S. 60° W.; asc. abrupt, ledgy N. slope 125 ft. to

65.90 S. rim of canyon, bears NE. and S. W.; continue more gradual ascent of 75 ft. to

79.22 The cor. of secs. 1-2-11 and 12.

Land, rough and broken, sloping SE. and NW. into Lake Canyon, draining SW.

Soil, rocky and clay, mixed with gravel; surface strewn with large boulders.

Subdivision of T. 37 S., R. 25 E.

Chains

Timber, dense cedar and pinon.
 (Undergrowth, scattering sagebrush. Fair grazing land.)

From the cor. of secs. 2-3-34 and 35 on S. bdy. of tp.,
 which is an iron post, 2 ins. dia., firmly set in,
 and extending 12 ins. above a large mound of stone,
 marked and witnessed as described by the surveyor
 general.

Thence,

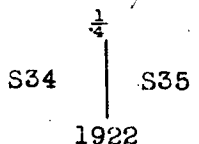
N. 0°03' E., bet. secs. 34 and 35.

Over rolling land facing S., through medium dense timber
 and medium undergrowth; gradually ascending..

15.30 Leave timber, bears SE. and S7.

40.00 On slight S. slope, 110 ft. above sec. cor.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked



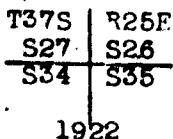
dig pits 18x18x12 ins., N. and S. of post, 3 ft. dist.

60.80 Stock trail, bears NE. and S7.

63.20 Base of barren hills, bears NE. and S7.; asc. S. slope,
 120 ft. to

80.00 On top of ridge of hills, 140 ft. above $\frac{1}{4}$ sec. cor.,
 bears N. and S7.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in
 the ground, for cor. of secs. 26-27-34 and 35, with
 brass cap marked



Raise a mound, 3 ft. base, 2 ft. high, W. of cor.

Land, rolling and hilly; southern exposure and drainage.
 Soil, clay and sandy loam, mixed with rocks on greater
 portion of mile.

Subdivision of T. 37 S., R. 25 E.

Chains

Timber, medium dense cedar and pinon, on S. 15.30 chs.

Undergrowth, medium growth of black sagebrush, 1 to 2.
ft. high. Fair grazing land.

East, on random line bet. secs. 26 and 35.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.14 Intersect N. and S. line, 14 lks. N. of the cor. of secs.
25-26-35 and 36.

Thence,

N. $89^{\circ}54'$ W., on true line, bet. secs. 26 and 35.

Over rolling land facing S., through short undergrowth.

3.50 Enter medium dense timber, bears N. 10° E. and S.

10.60 Ravine, 40 ft. below sec. cor., course S.; gradually.
asc. rolling S. exposure.

14.60 Leave all but few scattered trees, bears N. and S.

38.30 Enter scattering timber, bears N. and S.

40.07 On slight SW. slope, 35 ft. below sec. cor.

Set an iron post, 3 ft. long, 1 in. dia., 14 ins. in
ground to bedrock, and in a mound of stone, for $\frac{1}{4}$ sec.
cor., with brass cap marked

S26

$\frac{1}{4}$ ———

S35

1922

from which

A cedar, 10 ins. diam., bears N. $34\frac{1}{2}^{\circ}$ W., 29 lks.
dist., marked $\frac{1}{4}$ S26 BT

A pinon, 12 ins. diam., bears S. $1\frac{1}{4}^{\circ}$ W., 123 lks.
dist., marked $\frac{1}{4}$ S35 BT

40.60 Shallow ravine, 10 ft. below $\frac{1}{4}$ sec. cor., course S.;
begin gradual ascent over SE. exposure.

54.10 Stock trail, bears NE. and SW.

64.00 Leave timber, bears N. and S.

71.00 Base of barren hills, bears N. and SW.; asc. steep E.
slope.

80.14 On top of hill, 125 ft. above $\frac{1}{4}$ sec. cor. The cor. of
secs. 26-27-34 and 35.

Chains

5025

Land, rolling, general southern exposure, and drainage.
 Soil, sandy and clay loams, mixed with gravel and rock.
 Timber, scattering and medium dense on portions of mile.
 Undergrowth, scattering sagebrush and greasewood.
 Fair grazing land.

N. $0^{\circ}03'$ E., bet. secs. 26 and 27.

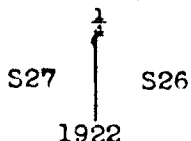
Over rolling and broken land, through short-undergrowth,
 proceed along barren ridge of hill.

9.40 Enter medium dense timber, bears SE. and $S.60^{\circ}W.$; and
 begin ascent over rocky S. slope of mesa break, bears
 SE. and W.

21.40 S. rim of low mesa, bears SE. and W.; continue gradual
 ascent over rolling top.

32.50 Top of ascent on mesa, bears $S.70^{\circ}W.$ and NE.; thence,
 over slight NW. exposure.

40.00 On mesa, 200 ft. above sec. cor.
 Set an iron post, 3 ft. long, 1 in. dia., 16 ins. in
 ground to bedrock, and in a mound of stone, for $\frac{1}{4}$ sec.
 cor., with brass cap marked



from which

A cedar, 12 ins. diam., bears $N.31\frac{1}{2}^{\circ}E.$, 108 lks.
 dist., marked $\frac{1}{4}$ S26 BT
 A cedar, 10 ins. diam., bears $S.62\frac{1}{2}^{\circ}W.$, 74 lks.
 dist., marked $\frac{1}{4}$ S27 BT

Asc. broken W. slope, 95 ft. to

47.85 High point and N. edge of the lower mesa, bears $N.30^{\circ}E.$
 and S7.; desc. broken and rocky W. slope, 115 ft. to

59.40 Base of descent and depression on W. slope, drains $S.70^{\circ}$
 W.; a low saddle connecting the upper with lower mesa
 bears E. of line 3 chs. dist.

Asc. abrupt, ledgy S. face of upper mesa, 170 ft. to

65.85 Top of 100 ft. vertical ledge on S. brink of upper mesa

Subdivision of T. 37 S., R. 25 E.

Chains

at bears, E. for 5 chs., thence NE., and W.; thence over rolling top of high mesa.

80.00 On gradual W. exposure of mesa top. . .
Set an iron post, 3 ft. long, 2 ins. dia., 14 ins. in the ground to bedrock, and in a mound of stone, for cor. of secs. 22-23-26 and 27, with brass cap marked

T37S	R25E
S22	S23
S27	S26

1922

from which

- A cedar, 6 ins.diam., bears N. $15\frac{1}{2}^{\circ}$ E., 46 lks. dist., marked S23-BT (too scrubby)
- A cedar, 10 ins.diam., bears S. 35° E., 129 lks. dist., marked T37S R25E S26-BT
- A pinon, 12 ins.diam., bears S. 63° W., 48 lks. dist., marked T37S R25E S27-BT
- A pinon, 12 ins.diam., bears N. $34\frac{3}{4}^{\circ}$ W., 96 lks. dist., marked T37S R25E S22-BT

Land, rough, broken and-rolling; general SW. exposure and drainage.

Soil, rocky and shallow clay and sandy loam; sandstone formation.

Timber, medium dense on greater portion of mile.

Undergrowth, short scattering sagebrush.

Fair grazing land.

S. $89^{\circ}54'$ E., on random line bet. secs. 23 and 26.

40.00 Set temp. $\frac{1}{2}$ sec. cor.

80.12 Intersect N. and S. line, 5 lks. N. of the cor. of secs. 23-24-25 and 26.

Thence,

N. $89^{\circ}52'$ W., on true line bet. secs. 23 and 26.

Over rolling and broken land, through dense timber and scattering undergrowth; gently desc. over rolling

top of mesa, 20 ft. to

24.90 E. rim of gulch, bears N. 10° W., and S.; desc. rocky and broken W. slope, 170 ft. to

39.00 Bottom of gulch, course S. 15° W.; asc. broken SE. slope.

40.06 On E. slope, 5 ft. above bottom.

Chains	
	Set an iron post, 3 ft. long, 1 in. dia., in a mound of stone, for the ground to bedrock, and in a mound of stone, for the sec. cor., with brass cap marked S23 BT
	1/4 S23 BT
	S26
	1922
	from which
	A cedar, 10 ins. diam., bears N. 61 1/2° E., 69 lks. dist., marked 1/4 S23 BT
	A cedar, 8 ins. diam., bears S. 12 1/2° W., 81 lks. dist., marked 1/4 S26 BT
64.50	Continue ascent over broken SE. slope, 160 ft. to W. rim of gulch, bears NE. and SW.; gradually asc. over mesa top, 40 ft. to
76.40	Top of ascent on mesa, bears N. 20° E. and S. 10° W.; desc. 15 ft. to
80.12	The cor. of secs. 22-23-26 and 27.
	Land, rolling and broken mesa; general southern exposure and drainage.
	Soil, shallow sandy and clay loam, and rocky; sandstone formation.
	Timber, dense cedar and pinon.
	Undergrowth, scattering sagebrush. Fair grazing land.
	N. 0° 03' E., bet. secs. 22 and 23.
	Over rolling mesa top, through dense timber and scattering undergrowth.
1.60	Slight raise bears E. and W.; thence over land facing W., broken by several small washes draining W.
39.80	Base of white sandstone outcrop, 45 ft. high, vertically bears NW. and E.
40.00	On top of the sandstone outcrop.
	Cut cross (X) on barren rock, over which set an iron post, 3 ft. long, 1 in. dia., in a large mound of stone, for the 1/4 sec. cor., with brass cap marked S23 BT
	S23 BT
	1922

Subdivision of T. 37 S., R. 25 E.

Chains

from which

- A pinon, 6 ins. diam., bears S. $13\frac{1}{2}^{\circ}$ E., 159 lks.
dist., marked $\frac{1}{4}$ S23 BT
A pinon, 14 ins. diam., bears S. $19\frac{1}{2}^{\circ}$ W., 122 lks.
dist., marked $\frac{1}{4}$ S22 BT

Note: Corner stands near S. edge, and on top of a white sandstone outcrop, $2\frac{1}{4}$ chs. N. & S., by 3 chs. E. & W., and 50 ft. high., standing on mesa top, slight SW. exposure.

- 42.00 N. edge of the outcrop, 15 ft. above cor., bears E. and W. for 1 ch.: from base of outcrop continue over rolling mesa top, slight SW. exposure.
- 66.00 Top of low flat raise of mesa, bears E. and S. 70° W.; thence over NW. exposure.
- 80.00 On rolling mesa top.
- Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 14-15-22 and 23, with brass cap marked

T37S	R25E
S15	S14
S22	S23

1922

from which

- A pinon, 6 ins. diam., bears N. 47° E., 118 lks.
dist., marked T37S R25E S14 BT
A cedar, 14 ins. diam., bears S. 29° E., 57 lks.
dist., marked T37S R25E S23 BT
A pinon, 10 ins. diam., bears S. $23\frac{1}{4}^{\circ}$ W., 108 lks.
dist., marked T37S R25E S22 BT
A pinon, 10 ins. diam., bears N. 23° W., 188 lks.
dist., marked T37S R25 E S15 BT

Land, rolling mesa top having a general W. to SW. exposure and drainage on S. 66 chs., and to NW. on remainder of mile.

Soil, shallow sandy loam, with scattering rocks and outcrops of sandstone, lying on rock and clay subsoil.

Timber, dense cedar and pinon.

Undergrowth, scattering to medium sagebrush.

Fair grazing land.

S. $89^{\circ}52'$ E., on random line bet. secs. 14 and 23.

Subdivision of T. 37 S., R. 25 E.

Chains	
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.10	Intersect N. and S. line, 5 lks. N. of the cor. of secs. 13-14-23 and 24.
	Thence,
	N. $89^{\circ}50'$ W., on true line bet. secs. 14 and 23.
	Over rolling and broken mesa land, through dense timber and short scattering undergrowth; gradually desc. W. slope of mesa top, 85 ft. to
23.35	Brink of mesa, bears NE. and SW.; desc. abrupt, rocky NW. slope, 150 ft. to
32.15	Bottom of draw, course N., and heads about 8 chs. S.; asc. abrupt, rocky NE. slope, 180 ft. to
40.05	On a gradual E. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 12 ins. in the ground to bedrock, and in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked
	S14
	$\frac{1}{4}$ ———
	S23 1922
	from which
	A pinon, 10 ins. diam., bears S. 10° E., 61 lks. dist., marked $\frac{1}{4}$ S23 BT
	A pinon, 14 ins. diam., bears N. $45\frac{1}{2}^{\circ}$ W., 82 lks. dist., marked $\frac{1}{4}$ S14 BT
	Asc. 30 ft. to
45.00	Top of ascent on brink of mesa, bears NW. and SE.; thence over rolling top, slight W. exposure.
80.10	The cor. of secs. 14-15-22 and 23, 35 ft. below top. Land, rolling and broken mesa; general north and NW. exposure and drainage.
	Soil, sandy loam, mixed with gravel and rock.
	Timber, dense cedar and pinon.
	Undergrowth, scattering to medium growth of sagebrush.
	Fair grazing land.

Subdivision of T. 37 S., R. 25 E.

Chains

N. $0^{\circ}03'$ E., bet. secs. 14 and 15.

Over rolling top of mesa facing NW., through dense timber and medium undergrowth; desc. 15 ft. to

7.00 Top of 30 ft. rim ledge on N. brink of mesa top, bears NE. and SW.; desc. steep, broken and rocky N. slope.

31.00 Bottom of rocky canyon, 405 ft. below brink of mesa, course W.; asc. abrupt, ledgy S. slope, 165 ft. to

35.15 N. rim of canyon, bears E. and W.; continue gradual ascent over bench slopes facing SW.

40.00 On slight SW. slope, 20 ft. above rim.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for $\frac{1}{2}$ sec. cor., with brass cap marked

	$\frac{1}{2}$	
S15	|	S14
1922		

from which

A pinon, 8 ins.diam., bears S. $59\frac{1}{4}^{\circ}$ W., 50 lks. dist., marked $\frac{1}{4}$ S15 BT

A pinon, 8 ins.diam., bears N. $12\frac{1}{2}^{\circ}$ E., 57 lks. dist., marked $\frac{1}{4}$ S14 BT

45.70 Low spur, projects S. 70° W.; gradually desc. 50 ft. to

54.20 Small draw, course SW.; asc. rolling S. slope, 220 ft.

75.40 Top of ascent on high main ridge, bears NE. and S. 70° W.

80.00 On slight NW. slope, 15 ft. below top.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 10-11-14 and 15, with brass cap marked

T37S	|	R25E
S10	|	S11
S15	|	S14
1922		

from which

A cedar, 8 ins.diam., bears N. $23\frac{1}{2}^{\circ}$ E., 132 lks. dist., marked T37S R25E S11 BT

A pinon, 10 ins.diam., bears S. 52° E., 59 lks. dist., marked T37S R25E S14 BT

A cedar, 12 ins.diam., bears S. $33\frac{1}{2}^{\circ}$ W., 86 lks. dist., marked T37S R25E S15 BT

A cedar, 10 ins.diam., bears N. $55\frac{1}{2}^{\circ}$ W., 61 lks. dist., marked T37S R25E S10 BT

Land, rolling mesa top on S. 7 chs., broken and rough

Chains

N. and S. slopes of canyon on remainder of mile; drainage W.

Soil, rocky, clay and shallow sandy loam; surface strewn with boulders on portions of mile; sandstone formation. Timber, dense cedar and pinon.

Undergrowth, medium to scattering short sagebrush.

Fair grazing land.

S. $89^{\circ}50'$ E., on random line bet. secs. 11 and 14.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.12 Intersect N. and S. line; 2 lks. S. of the cor. of secs. 11-12-13 and 14.

Thence,

N. $89^{\circ}51'$ W., on true line bet. secs. 11 and 14.

Over rolling and broken land facing SW. and S., through scattering timber and short undergrowth; gradually descend along a general southern exposure, 100 ft. to

36.10 Base of descent along S. slope, drains S.; begin ascend over rolling and broken SE. and S. slopes.

40.06 On an east slope, 40 ft. above base of descent.

Set an iron post, 3 ft. long, 1 in. dia., 4 ins. in ground to bedrock, and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked

S11

$\frac{1}{4}$

S14

1922

from which

A cedar, 12 ins. diam., bears N. $27\frac{1}{4}^{\circ}$ W., 63 lks. dist., marked $\frac{1}{4}$ S11 BT

A cedar, 6 ins. diam., bears S. 73° W., 73 lks. dist., marked $\frac{1}{4}$ S14 BT

77.50 Main high ridge, 65 ft. above $\frac{1}{4}$ sec. cor., bears NE. and SW.; descend 20 ft. to

80.12 The cor. of secs. 10-11-14 and 15.

Land, rolling and broken, lying on southern slope of ridge and facing into deep canyon, drainage W.; W. 2.60 chs. faces NW. towards Monument canyon.

Subdivision of T. 37 S., R. 25 E.

Chains

Soil, dark clay, shallow sandy loam and rocky, lying on clay and rock subsoil.

Timber, scattering cedar and pinon.

Undergrowth, very scattered sagebrush and greasewood.

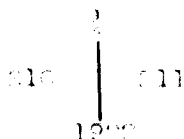
Good grazing land.

N. 0°03' E., bet. secs. 10 and 11.

Over rough and broken land, through medium dense timber and scattering undergrowth; descend along broken NW. slope, 220 ft. to

40.00 On NW. slope.

Set an iron post, 3 ft. long, 1 in. dia., 20 ins. in ground to bedrock, and in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked



from which

a cedar, 14 in. dia., bears S. 51° W., 60 lbs.

dist. marked 1 310 FT

a pinon, 12 in. dia., bears S. 65° E., 40 lbs.

dist. marked 1 311 FT

43.20 E. rim of Lake Canyon, bears N. 60° E., and W. for 6 chs., thence SW.; desc. abruptly over series of narrow benches, 225 ft. to

54.85 Bottom of Lake Canyon, 75 lbs. wind, rocky bottom, dry, course S. 20° W.; asc. abruptly over series of rim ledges and narrow benches, 250 ft. to

75.45 N. rim of canyon, bears N. 20° E. and S. 60° W.; thence over slight SE. slope.

80.00 On a slight SE. exposure of mesa top.

Cut cross (X) in bedrock for exact cor. point, over which, set an iron post, 3 ft. long, 2 ins. in dia., 30 ins. in a large mound of stone, for cor. of secs. 2-3-10 and 11, with brass cap marked

T37S	R25E
S3	S2
S10	S11

1922

from which

- A pinon, 10 ins.diam., bears N.24½°E., 212 lks.
dist., marked T37S R25E S2 BT
- A pinon, 12 ins.diam., bears S.47°E., 25 lks.
dist., marked T37S R25E S11 BT
- A pinon, 6 ins.diam., bears S.47½°W., 85 lks.
dist., marked T37S R25E S10 BT
- A pinon, 12 ins.diam., bears N.27½°W., 30 lks.
dist., marked T37S R25E S3 BT

Land, rough and broken; NW. and SE. exposures; drainage SW.

Soil, rocky, clay and gravelly: surface strewn with boulders and broken by small rim ledges; sandstone formation.

Timber, medium dense cedar and pinon.

Undergrowth, scattered sagebrush and greasewood.

Fair grazing land.

S. 89°51' E., on random line bet. secs. 2 and 11.

40.00 Set temp. 1 sec. cor.

80.08 Intersect N. and S. line, 2 lks. S. of the cor. of secs. 1-2-11 and 12.

Thence,

N. 89°52' W., on true line bet. secs. 2 and 11.

Over rough and broken land, through medium dense timber and very scattered short undergrowth; gradually desc. along top of bench, broken W. slope, 150 ft. to

18.60 S. rim of Lake Canyon, bears S.60°W. and N.60°E.; desc. steep, rocky NW. slope, 150 ft. to

30.30 Lake Canyon, 1 ch. wide, rocky bottom, dry, course S.60°W.: a small seep of good water, bears up the canyon 2 chs. dist.

Asc. abruptly over broken ledges, 150 ft. to

36.70 Top of ascent on rocky point of canyon rim, projects S. 1 ch. and bears N.; desc. abrupt W. slope, 150 ft.

Subdivision of T. 37 S., R. 25 E.

Chains

- 40.04 On abrupt, rocky W. slope.
 Set an iron post, 3 ft. long, 1 in. dia., 8 ins. in the ground to bedrock, and in a large mound of stone, for $\frac{1}{4}$ sec. cor.; with brass cap marked
 S2
 $\frac{1}{4}$ —
 S11
 1922
 from which
 A cedar, 8 ins. diam., bears N. 38° W., 35 lks. dist., marked $\frac{1}{4}$ S2 BT
 A pinon, 8 ins. diam., bears S. 4° W., 70 lks. dist., marked $\frac{1}{4}$ S11 BT
- 41.00 Depression on S. slope, 25 ft. below $\frac{1}{4}$ sec. cor., drains S., and heads 3 chs. N. in rim; asc. along rocky and broken S. face of canyon rim, 220 ft. to
- 65.70 Rocky point of canyon rim, extends S. 5 chs. dist. to end; desc. rocky W. slope; 130 ft. to
- 73.40 Short, rocky draw, course S.; asc. rocky E. slope, 90 ft.
- 78.00 Canyon rim, bears N. 20° E. and S. 20° W.; thence over mesa top.
- 80.08 The cor. of secs. 2-3-10 and 11.
 Land, rough and broken: exposure NW. and S. into Lake Canyon: drainage SW.
 Soil, rocky, clay and gravelly: sandstone formation.
 Timber, medium dense cedar and pinon.
 Undergrowth, very scattered sagebrush.
 Fair to poor grazing land.
-
- N. 0° 15' E., on random line bet. secs. 2 and 3.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.05 Intersect N. bdy. of tp., 12 lks. W. of the true point for cor. of secs. 2-3-34 and 35, which is 20 lks. dist. W. of the witness cor., an iron post 2 ins. dia., recently set by me and described in notes of survey of T. 36 S., R. 25 E.; thence from true cor. point, S. 0° 20' W., on true line bet. secs. 2 and 3.
 Over rough and broken land, through dense timber and

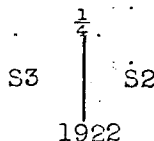
Chains

scattering undergrowth; asc. along an abrupt and ledge W. slope on E. side of Monument Canyon, 190 ft. to

32.60 S. brink of Monument Canyon, bears generally N. 20° E. and S. 20° W.; gradually asc. N. slope over broken top of bench or lower mesa.

39.05 On gradual N. slope, 30 ft. above rim.

Set an iron post, 3 ft. long, 1 in. dia., 16 ins. in the ground to bedrock, and in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked



from which

A pinon, 12 ins. diam., bears S. 85° E., 30 lks. dist., marked $\frac{1}{4}$ S2 BT

A pinon, 10 ins. diam., bears S. 58° W., 35 lks. dist., marked $\frac{1}{4}$ S3 BT

42.30 Top of ascent, bears W. and N. 75° E.; the S. end of a high, rocky point from upper mesa, bears N. 75° E., approximately 30 chs. dist.

Continue along a broken W. slope, desc. 150 ft. to

68.00 Spur ridge bet. Monument and Lake Canyons, bears NE. and SW.; gradually desc. SE. slope, 20 ft. to

79.05 The cor. of secs. 2-3-10 and 11.

N. portion of mile is abrupt slope of Monument Canyon; southern portion is broken bench or lower mesa, slopes W. and SE.

Soil, rocky, clay and shallow sandy loam; sandstone formation.

Timber, dense cedar and pinon.

Undergrowth, scattering sagebrush. Fair to poor grazing.

From the cor. of secs. 3-4-33 and 34 on S. bdy. of tp., which is an iron post, 2 ins. dia., extending 10 ins. above ground, firmly set, properly marked and witnessed as described by the surveyor general.

N. 0° 02' E., bet. secs. 33 and 34.

-55-
Subdivision of T. 37 S., R. 25 E.

Chains

Over rolling land having a southern exposure, through scattering timber and medium dense short undergrowth; gradually ascending from cor. in N. edge of draw bottom.

29.35 Wash, 15 lks. wide, 3 ft. deep, in bottom of shallow ravine, drains S.15°E.; thence along rolling W. slope.

33.20 Top of raise on W. slope, 110 ft. above sec. cor., bears NE. and extends W. 3 chs. to end; continue along W. slope.

40.00 On slight W. slope, 35. ft. below raise.

Set an iron post, 3 ft. long, 1 in. dia., 8 ins. in the ground to handpan, and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked

	$\frac{1}{4}$	
S33	|	S34
	1922	

from which

A cedar, 14 ins.diam., bears S.39°E., 49 lks.

dist., marked $\frac{1}{4}$ S34 BT

A cedar, 8 ins.diam., bears S.77 $\frac{1}{2}$ °W., 68 lks.

dist., marked $\frac{1}{4}$ S33 BT

60.40 Recross same ravine, wash, 30 lks. wide, 4 ft. deep, course S.10°W.; thence along slight E. slope.

80.00 On slight E. slope, 50 ft. above $\frac{1}{4}$ sec. cor.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 27-28-33 and 34, with brass cap marked

T37S	|	R25E
S28	|	S27
S33	|	S34
	1922	

from which

A cedar, 8 ins.diam., bears N.67 $\frac{1}{4}$ °E., 186 lks.

dist., marked T37S R25E S27 BT

A cedar, 10 ins.diam., bears S.37°E., 159 lks.

dist., marked T37S R25E S34 BT

A cedar, 10 ins.diam., bears S.19°W., 245 lks.

dist., marked T37S R25E S33 BT

A cedar, 10 ins.diam., bears N.28°W., 178 lks.

dist., marked T37S R25E S28 BT

Land, rolling mesa or bench; exposure and drainage S.

Soil, clay and gravelly loam, mixed with scattered rocks,

lying on hard clay and rock subsoil; sandstone formation.

Subdivision of T. 37 S., R. 25 E.

Chains

Timber, scattering cedar and pinon.

Undergrowth, medium dense, short sagebrush and greasewood. Good grazing land.

Fast, on random line bet. secs. 27 and 34.

40.00 Set temp. $\frac{1}{2}$ sec. cor.

83.02 Intersect N. and S. line, 7 lks. S. of the cor. of secs. 25-27-34 and 35.

Thence,

S. $89^{\circ}57'$ W., on true line bet. secs. 27 and 34.

Over rolling land, general southern exposure, through short undergrowth; desc. from cor. on top of hill, over barren W. slope, 85 ft. to

8.40 Base of hill, bears N. 30° E. and SW.; continue over rolling southern exposure, entering heavy undergrowth.

22.00 Stock trail, bears NW. and S. 20° E.; enter scattering timber

40.01 On slight SE. exposure, 130 ft. below sec. cor.

Set an iron post, 3 ft. long, 1 in. dia., 20 ins. in ground to hardpan, and in a mound of stone, for $\frac{1}{2}$ sec. cor., with brass cap marked

S27

S34

1922

from which

A cedar, 8 ins. diam., bears S. $35\frac{1}{2}^{\circ}$ E., 135 lks. dist., marked $\frac{1}{2}$ S34 BT

A cedar, 6 ins. diam., bears N. $10\frac{1}{2}^{\circ}$ E., 92 lks. dist., marked $\frac{1}{2}$ S27 BT

43.90 A small spring, alkaline water, bears N. $24^{\circ}40'$ E., approximately 30 chs. dist.

60.60 Begin gradual descent of 80 ft. into ravine.

79.30 Wash, 25 lks. wide, 4 ft. deep, in ravine, course S.

80.02 The cor. of secs. 27-28-33 and 34.

Land, rolling and hilly; southern exposure and drainage.

Soil, clay and gravelly loam, mixed with rock, lying on hard clay and rock subsoil.

Timber, scattering cedar and pinon, on W. slope.

Undergrowth, dense short sagebrush and some greasewood
 one mile, excepting hill on E. end of mile.
 Good grazing land.

N. 0° Q2' E., bet. secs. 27 and 28.

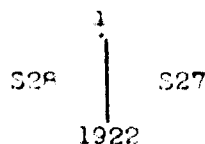
Over rolling and broken land facing SE., through
 scattering timber and short undergrowth; gradually asc.

Point from which, spring of alkaline water, bears
 N. 58½° E., approximately 50 chs. dist.

Stock trail leading to spring, bears E. and W.

Enter heavier timber and begin steeper ascent over SE.
 slope towards mesa rim, bears NE. and W.

On steep, rocky SE. slope, 190 ft. above sec. cor.
 Set an iron post, 3 ft. long, 1 in. dia., 6 ins. in the
 ground to bedrock, and in a mound of stone, for ¼ sec.
 cor., with brass cap marked



from which

A cedar, 8 ins. diam., bears N. 7½° E., 50 lks.
 dist., marked ¼ S27 BT

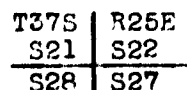
A cedar, 12 ins. diam., bears N. 61½° W., 55 lks.
 dist., marked ¼ S28 BT

Asc. abrupt S. face of mesa break of 170 ft. to

S. brink of mesa top, bears E. and W.; thence slight
 ascent over rolling top, 80 ft. to.

On slight SE. exposure.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in
 the ground, for cor. of secs. 21-22-27 and 28, with
 brass cap marked



1922

from which

A cedar, 10 ins. diam., bears N. 81° E., 60 lks.
 dist., marked T37S R25E S22 BT

Subdivision of T. 37 S., R. 25 E.

Chains

- A cedar, 14 ins.diam., bears S. $13\frac{1}{2}^{\circ}$ E., 220 lks.
dist., marked T37S R25E S27 BT
- A cedar, 12 ins.diam., bears S. $45\frac{3}{4}^{\circ}$ W., 226 lks.
dist., marked T37S R25E S28 BT
- A cedar, 14 ins.diam., bears N. $69\frac{3}{4}^{\circ}$ W., 181 lks.
dist., marked T37S R25E S21 BT

Land, rolling and broken; southern exposure and drainage

Soil, clay, rocky and shallow sandy loam, lying on clay
and rock subsoil.

Timber, scattering to dense cedar and pinon.

Undergrowth, medium growth of sagebrush with scattering
greasewood. Fair grazing land.

N. $89^{\circ}57'$ E., on random line bet. secs. 22 and 27.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.98 Intersect N. and S. line, 2 lks. N. of the cor. of secs.
22-23-26 and 27.

Thence,

S. $89^{\circ}58'$ W., on true line bet. secs. 22 and 27.

Over rolling and broken land, through dense timber and
short scattering undergrowth; gradually desc. along
top of mesa, 15 ft. to

19.25 W. brink of mesa top, bears N. and S.; desc. abrupt,
rocky and broken W. slope, 315 ft. to gulch.

31.50 Stock trail, bears N. and S.

35.70 Gulch, course S. 30° W.; asc. 60 ft. to

39.99 On gentle SE. slope.

Set an iron post, 3 ft. long, 1 in. dia., 10 ins. in
the ground to bedrock, and in a large mound of stone,
for $\frac{1}{4}$ sec. cor., with brass cap marked

S22

$\frac{1}{4}$

S27
1922

from which

- A cedar, 5 ins.diam., bears S. $64\frac{1}{2}^{\circ}$ E., 47 lks.
dist., marked $\frac{1}{4}$ S27 BT
- A cedar, 8 ins.diam., bears N. 30° E., 8 lks.
dist., marked $\frac{1}{4}$ S22 BT

Asc. rocky SE. slope, 120 ft. to

Subdivision of T, 37 S., R. 25 E.

Chains

53.80 Brink of mesa top, bears NE. and SW.; gently asc.
over mesa top, 25 ft. to.

79.98 The cor. of secs. 21-22-27 and 28.
Land, rolling and broken mesa top and rough slopes;
drainage S.
Soil, rocky, clay and shallow sandy loam.
Timber, dense cedar and pinon.
Undergrowth, scattering sagebrush.
Fair grazing land.

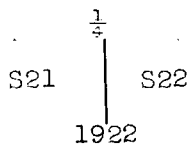
N. 0° 02' E., bet. secs. 21 and 22.

Over rolling top of mesa, through dense timber and
medium undergrowth; gentle ascent over S. exposure.

33.00 Ridge of mesa, 70 ft. above sec. cor., bears E. and W.;
gently desc. NE. slope.

40.00 On NE. slope, 10 ft. below top.

Set an iron post, 3 ft. long, 1 in. dia., 6 ins. in
the ground to bedrock, and in a large mound of stone,
for $\frac{1}{4}$ sec. cor., with brass cap marked



from which

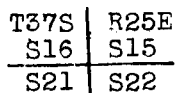
A cedar, 8 ins. diam., bears S. 89° E., 42 lks.
dist., marked $\frac{1}{4}$ S22 BT

A pinon, 12 ins. diam., bears S. 19 $\frac{1}{2}$ ° W., 26 lks.
dist., marked $\frac{1}{4}$ S21 BT

46.00 N. brink of upper mesa, 10 ft. below $\frac{1}{4}$ sec. cor., bears
W., and E. for 2 chs. thence SE.; desc. broken N. slope,
entering scattering timber, 205 ft. to cor.

80.00 On steep NW. slope at base of 10 ft. ledge, bearing NE.
and SW.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in
the ground, for cor. of secs. 15-16-21 and 22, with
brass cap marked



Subdivision of T. 37 S., R. 25 E.

Chains

from which

- A cedar, 12 ins.diam., bears N.13°E., 42 lks.
dist., marked T37S R25E S15 BT
A cedar, 12 ins.diam., bears S.41°W., 22 lks.
dist., marked T37S R25E S21 BT
A pinon, 12 ins.diam., bears N.6½°W., 14 lks.
dist., marked T37S R25E S16 BT
Mark a cross (X) on NW face of ledge, 3 lks.
above base, which bears S.40½°E., 6 lks. dist.,
with marks S22 B0

Land, rolling mesa top, and broken N. slope.

Soil, shallow sandy loam, clay and rocky.

Timber, dense to scattering cedar and pinon.

Undergrowth, medium dense sagebrush. Fair grazing land.

N. 89°58' E., on random line bet. secs. 15 and 22.

40.00 Set temp. ¼ sec. cor.

80.00 Intersect N. and S. line, 2 lks. N. of the cor. of secs.
14-15-22 and 23.

Thence,

S. 89°59' W.; on true line bet. secs. 15 and 22.

Over rolling and broken land, through dense timber and
scattering undergrowth; along top of mesa to4.40 Brink of mesa top, bears NE. and SW.; desc. broken NW.
slope, 230 ft. to

40.00 On gradual NW. slope.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in
the ground, for ¼ sec. cor., with brass cap marked

S15

¼

S22
1922

from which

- A cedar, 12 ins.diam., bears N.45½°W., 35 lks.
dist., marked ¼ S15 BT
A cedar, 6 ins.diam., bears S.9°E., 20 lks.
dist., marked ¼ S22 BT

47.80 E. rim of gulch, 30 ft. below ¼ sec. cor., bears N. and
S.; desc. abrupt W. slope; 90 ft. to

51.25 Bottom of gulch, course N.10°E.; asc. abruptly 80 ft. to

55.30 W. rim of gulch, bears N. and S.; continue gradual

Subdivision of T. 37 S., R. 25 E.

Chains

- ascent over NE. slope, 40 ft. to
- 63.70 Low spur, projects N.20°E.; desc. along gradual NW. slope, 70 ft. to cor.
- 79.65 Top of 10 ft. sandstone ledge, facing NW.
- 80.00 The cor. of secs. 15-16-21 and 22.
- Land, broken and rolling; general northern exposure and drainage.
- Soil, rocky, clay and gravelly; sandstone formation.
- (Timber, dense cedar and pinon.
- / Undergrowth, scattering sagebrush. Fair grazing land.
-
- N. 0°.02' E., bet. secs. 15 and 16.
- Over rough and broken land, through medium dense timber and scattering undergrowth; desc. NW. slope, 40 ft. to
- 1.90 Draw, course NE.; thence along a broken E. slope.
- 33.00 Top of spur, 65 ft. above draw, projects N.60°E.; begin descent over broken N. slope towards rim of canyon.
- 40.00 On gradual N. slope, 110 ft. below spur.
- Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
- $\frac{1}{4}$
 S16 | S15
 1922
- from which
- A cedar, 8 ins.diam., bears N.30 $\frac{1}{2}$ °E., 42 lks.
dist., marked $\frac{1}{4}$ S15 BT
- A pinon, 6 ins.diam., bears N.31 $\frac{1}{2}$ °W., 66 lks.
dist., marked $\frac{1}{4}$ S16 BT
- 42.50 S. rim of canyon, 10 ft. below $\frac{1}{4}$ sec. cor., bears E. and W.; desc. abruptly N. slope over series of ledges.
- 47.70 Bottom of narrow, rocky canyon, 200 ft. below rim, course W.; asc. abrupt S. and SW. slopes over series of rim ledges and narrow benches, 260 ft. to
- 69.00 Main high ridge, bears E. and W.; desc. broken NW. slope, 145 ft. to
- 80.00 At base of steep descent, in E. edge of narrow bench.

Chains

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 9-10-15 and 16, with brass cap marked

T37S	R25E
S9	S10
S16	S15

1922

from which

- A pinon, 10 ins. diam., bears N. 2° E., 64 lks. dist., marked T37S R25E S10 BT
- A cedar, 10 ins. diam., bears S. 62½° E., 25 lks. dist., marked T37S R25E S15 BT
- A cedar, 14 ins. diam., bears S. 35½° W., 138 lks. dist., marked T37S R25E S16 BT
- A cedar, 12 ins. diam., bears N. 77½° W., 61 lks. dist., marked T37S R25E S9 BT

Land, rough and broken; exposure abrupt N. and S. slopes; drainage W.

Soil, rocky in form of rim ledges, boulders and outcrops, clay and gravelly; sandstone formation.

Timber, medium dense cedar and pinon.

Undergrowth, scattering sagebrush.

Poor grazing land.

N. 89° 59' E., on random line bet. secs. 10 and 15.

40.00 Set temp. ½ sec. cor.

80.00 Intersect N. and S. line, 12 lks. N. of the cor. of secs. 10-11-14 and 15.

Thence,

N. 89° 56' W., on true line bet. secs. 10 and 15.

Over rough, broken land, through medium dense timber and scattering undergrowth; desc. over broken W. and NW. slopes, 300 ft. to

34.40 E. rim of draw, bears NE. and SW.; desc. abruptly 100 ft.

38.10 Bottom of short draw, course N., and heads S. 2 chs. dist.; asc. abrupt E. slope, 70 ft. to

40.00 On abrupt, rocky E. slope.

Set an iron post, 3 ft. long, 1 in. dia., 6 ins. in the ground to bedrock, and in a large mound of stone,

Subdivision of T. 37 S., R. 25 E.

Chains

for $\frac{1}{4}$ sec. cor., with brass cap marked

S10

$\frac{1}{4}$

S15

1922

from which

A cedar, 10 ins.diam., bears S.10°W., 56 lks.
dist., marked $\frac{1}{4}$ S15/BT

A pinon, 12 ins.diam., bears N.49 $\frac{3}{4}$ °W., 80 lks.
dist., marked $\frac{1}{4}$ S10/BT

40.50 W. rim of the draw, 15 ft. above $\frac{1}{4}$ sec. cor., bears N.
and S.; thence over narrow bench extending E. and W.

48.00 N. edge of bench, bears N.80°E. and SW.; desc. 145 ft.

53.25 Depression on N. slope, drains N.; asc. steep, rocky
NE. slope, 255 ft. to

69.50 Top of ascent on steep N. slope, bears S. 1 ch. to high
point of main ridge, and slopes off to NW.; desc.
abrupt, rocky NW. slope 285 ft. to

80.00 The cor. of secs. 9-10-15 and 16.

Land, rough and broken; NW. and N. exposures into Lake
and Monument Canyons; drainage W.

Soil, rocky, clay and gravelly, on rock and clay subsoil.

Timber, medium dense cedar and pinon.

Undergrowth, scattering sagebrush.

Fair to poor grazing land.

N. 0° 02' E., bet. secs. 9 and 10.

Over rough and broken land, through medium dense timber
and short scattering undergrowth; desc. along broken
and rocky NW. slope over rims and benches, 175 ft. to

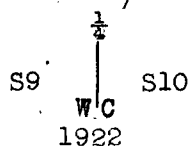
18.50 Wash, 2 $\frac{1}{2}$ chs. wide, 10 ft. deep, dry, gravelly bottom,
in Monument Canyon, course S.70°W.; junction of Lake
Canyon from S.70°E. with Monument Canyon at this point.

20.00 Begin abrupt ascent over ledgy S. slope of 245 ft. to

30.00 Rocky spur, projects E. for about 10 chs. dist. to
end; desc. abruptly over ledges on N. slope, 190 ft.
to

Subdivision of T. 37 S., R. 25 E.

- Chains
 34.60 Wash, $1\frac{1}{2}$ chs. wide, 15 ft. deep, in bottom of Monument Canyon, course S. 70° E.
 38.75 Recross same, course SW.
 40.00 True point for $\frac{1}{4}$ sec. cor. falls on edge of right bank of the wash, 15 ft. high, bearing NE. and SW., where it is impracticable to set cor., therefore at,
 40.50 Set an iron post, 3 ft. long, 1 in. dia., 16 ins. in ground to bedrock, and in a large mound of stone, for witness cor. to the $\frac{1}{4}$ sec. cor., with brass cap marked



from which

A cedar, 8 ins. diam., bears N. 14° E., 60 lks.
 dist., marked WC $\frac{1}{4}$ S10 BT

A cedar, 6 ins. diam., bears N. $11\frac{1}{2}^{\circ}$ W., 87 lks.
 dist. marked WC $\frac{1}{4}$ S9 BT

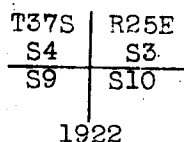
Cor. situated in edge of canyon bottom bearing NE- SW.

Asc. abrupt, rocky SE. slope, 85 ft. to

- 44.75 Lower rim of canyon, bears N. 10° E. and SW.: thence along broken and ledgy rim of canyon to

- 69.00 Leave lower rim bearing NE. and S.; begin ascent over ledgy SE. slope.

- 80.00 On steep, rocky SE. slope, 275 ft. above $\frac{1}{4}$ sec. cor. Set an iron post, 3 ft. long, 2 ins. dia., 4 ins. in the ground to bedrock, and in a large mound of stone, for cor. of secs. 3-4-9 and 10, with brass cap marked



from which

A pinon, 10 ins. diam., bears N. 21° E., 121 lks.
 dist., marked T37S R25E S3 BT

A cedar, 6 ins. diam., bears S. 6° E., 58 lks.
 dist., marked T37S R25E S10 BT

A cedar, 14 ins. diam., bears S. 85° W., 49 lks.
 dist., marked T37S R25E S9 BT

A cedar, 8 ins. diam., bears N. 52° W., 33 lks.
 dist., marked T37S R25E S4 BT

Land, rough and broken, monutainous in character, being the breaks on Monument Canyon; drainage SW.

Subdivision of T. 37 S., R. 25 E.

ains

Soil, rocky in form of ledges, boulders and outcrops, with shallow clay and sandy loam.

/Timber, medium dense cedar and pinon.

/Undergrowth, scattering sagebrush. Poor grazing land.

S. 89°56' E., on random line bet. secs: 3 and 10.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.02 Intersect N. and S. line, 2 lks. S. of the cor. of secs. 2-3-10 and 11.

Thence,

N. 89°57' W., on true line bet. secs. 3 and 10.

Over rolling and broken land, through dense timber and scattering undergrowth; gradually asc. along broken S. slope.

12:50 Spur ridge, 10 ft. above sec. cor., bears NE. and SW.; gradually desc. broken W. and NW. slopes, 75 ft. to

40.01 On NW. slope.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

S3

$\frac{1}{4}$ ———

S10
1922

from which

A pinon, 10 ins. diam., bears N. 75° W., 58 lks. dist., marked $\frac{1}{4}$ S3 BT

A pinon, 6 ins. diam., bears S. 9° E., 18 lks. dist., marked $\frac{1}{4}$ S10 BT

42.10 E. brink of Monument Canyon, bears NE. and SW.; desc. abrupt, rocky W. slope, 230 ft. to

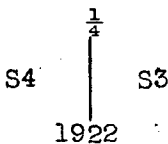
63.00 Wash, 1 ch. wide, 4 ft. deep, rocky bottom, in Monument Canyon, course S. for 2 chs., thence to SW.; asc. abrupt, ledgy SE. slope, 250 ft. to

80.02 The cor. of secs. 3-4-9 and 10.

Land, rolling mesa top on E. portion, breaks of Monument Canyon on W. portion.

Soil; rocky; clay and shallow sandy loam; gray sandstone

Subdivision of T. 37 S., R. 25 E.

Chains	
	formation.
	Timber dense cedar and pinon.
	Undergrowth, scattering sagebrush. Fair grazing land.
	<hr/>
	N. $0^{\circ}20'$ E., on random line bet. secs. 3 and 4.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
78.99	Intersect N. bdy. of tp., 2 lks. W. of the cor. of secs. 3-4-33 and 34, which is an iron post, 2 ins. dia., recently set by me and described in survey notes of T.36 S., R.25 E.
	Thence,
	S. $0^{\circ}21'$ W., on true line bet. secs. 3 and 4.
	Over broken land, through medium dense timber and short scattering undergrowth; gradually asc. N. slope, 40 ft.
5.40	Top of ascent on bench, bears E. and W.; gently desc. S. exposure, 40 ft. to
16.50	S. rim of bench, bears N. 60° E., and SW.; desc. steep, rocky SE. slope, 100 ft. to
24.80	Depression on SE. slope, drains SE.; continue along a broken and rocky general E. slope.
36.40	Spur, 80 ft. above depression, slopes off to E.; desc. 20 ft. to
38.99	On rocky S. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 6 ins. in the ground to bedrock, and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked
	<div style="text-align: center;"> $\frac{1}{4}$  1922 </div>
	from which
	A cedar, 10 ins. diam., bears N. $16\frac{3}{4}^{\circ}$ E., 43 lks. dist., marked $\frac{1}{4}$ S3 BT
	A pinon, 8 ins. diam., bears N. 55° W., 76 lks. dist., marked $\frac{1}{4}$ S4 BT
72.40	Gradually desc. broken S. and SE. slope, 155 ft. to W. brink of Monument Canyon, bears NE. and S. 20° W.; desc. abrupt, rocky SE. slope, 90 ft. to

Subdivision of T. 37 S. 25 E.

- 78.90 The cor. of secs. 3-4-9 and 10.
- Land, broken; general SE: exposure and drainage.
- Soil, rocky, shallow sandy loam and clay; gray sandstone formation.
- Timber, medium dense cedar and pinon.
- Undergrowth, scattering sagebrush.
- Fair grazing land.

From the cor. of secs. 4-5-32 and 33 on S. bdy. of tp., which is an iron post, 2 ins. dia., firmly set in, and extending 6 ins. above a large mound of stone, properly marked and witnessed as described by the surveyor general.

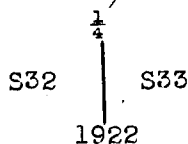
Thence,

N. 0° 01' E., bet. secs. 32 and 33.

Over broken and rolling mesa or bench land having a general southern exposure, through scattering timber and short scattering undergrowth: gradually ascending S. and SE. slopes.

- 32.55 Top of low, broken ridge, 2 chs. E. of saddle, bears N. 70° E. about 15 chs. dist. to SW. point of mesa butte, and S. 70° W.; thence along a broken W. slope over series of small spurs and draws putting W., gradually desc.

- 40.00 On a gradual NW. slope, 30 ft. below ridge.
- Set an iron post, 3 ft. long, 1 in. dia., 12 ins. in the ground to underlying rock, and in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked



from which

A cedar, 6 ins. diam., bears N. 88 $\frac{1}{2}$ ° E., 42 lks. dist., marked $\frac{1}{4}$ S33 BT

and deposit a trachyte 16x6x5 ins., marked with cross (X), alongside of post. No suitable tree in sec. 32, too scrubby.

Chains

80.00 On rocky NW. slope, 80 ft. below $\frac{1}{4}$ sec. cor. 22.37
Set an iron post, 3 ft. long, 2 ins. dia., 12 ins. in
the ground to bedrock, and in a large mound of stone,
for cor. of secs. 28-29-32 and 33, with brass cap marked

T37S	R25E
S29	S28
S32	S33

1922

from which

- A cedar, 4 ins. diam., bears N. 68 $\frac{1}{2}$ ° E., 18 lks.
dist., marked T37S R25E S28 BT
- A cedar, 6 ins. diam., bears S. 78 $\frac{1}{2}$ ° E., 27 lks.
dist., marked T37S R25E S33 BT
- A cedar, 8 ins. diam., bears S. 80° W., 34 lks.
dist., marked T37S R25E S32 BT

and deposit a sandstone, 10x8x6 ins., marked with cross
(X), alongside post. Trees within limits in sec. 29,
but too scrubby for marking.

Land, broken bench or mesa; exposure and drainage S. and
W.

Soil, heavy dark clay and rocky; surface strewn with
rocks: sandstone and trachyte formation.

Timber, scattering scrub cedar and pinon.

Undergrowth, short scattering sagebrush, greasewood and
shadscale.

Fair grazing land.

East, on random line bet. secs. 28 and 33.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.16 Intersect N. and S. line, 2 lks. S. of the cor. of secs.
27-28-33 and 34.

Thence,

S. 89° 59' W., on true line bet. secs. 28 and 33.

Over rolling and broken land facing S. and SE., through
scattering timber and medium, short undergrowth; along
a general S. exposure to

22.40 Wash, 10 lks. wide, 2 ft. deep, in shallow ravine, course
SE.: thence gradually asc. E. slope.

Subdivision of T. 37 S., R. 25 E.

Chains

40.06

On rocky E. slope, 105 ft. above sec. cor.
Set an iron post, 3 ft. long, 1 in. dia., 2 ins. in
ground to bedrock, and in a large mound of stone with
5 ft. base, for $\frac{1}{4}$ sec. cor., with brass cap marked

S28

$\frac{1}{4}$ ———

S33

1922

from which

A cedar, 8 ins. diam., bears S. $31\frac{1}{2}^{\circ}$ E., 36 lks.
dist., marked $\frac{1}{4}$ S33 BT

A pinon, 6 ins. diam., bears N. $47\frac{1}{2}^{\circ}$ W., 21 lks.
dist., marked $\frac{1}{4}$ S28 BT

Continue ascent over rocky E. slope.

50.25

Top of a 100 ft. vertical sandstone ledge, 250 ft. above
 $\frac{1}{4}$ sec. cor., bears N. 10° W. and S. 10° E.; thence across
rocky top of high, isolated mesa butte, extends N. 4
chs. dist. to end and S. about $\frac{1}{2}$ mile to end.

53.05

Top of 80 ft. vertical ledge facing W., bears N. 20° E.
and S.; from base of ledge desc. broken and rocky W.
slope.

80.16

The cor. of secs. 28-29-32 and 33, 440 ft. below top
of mesa butte.

Land, broken and rough benches sloping SE. and W. from
high mesa butte; drainage S.

Soil, clay and rocky; surface strewn with large boulders
on greater portion of the mile; sandstone formation.

Timber, scattering scrub cedar and pinon.

Undergrowth, short, scattering sagebrush and greasewood.

Fair grazing land.

N. 0° $01'$ E., bet. secs. 28 and 29.

Over broken bench lands having a general western exposure
through scattering timber and short undergrowth; desc.
rocky NW. slope, 55 ft. to

4.55

Rocky draw, near head, course W.; asc. broken SW. slope,
170 ft. to

27.10

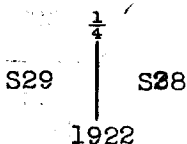
Spur, projects N. 70° W.; desc. NE. slope.

Chains

40.00

On gradual NE. slope, 80 ft. below spur.

Set an iron post, 3 ft. long, 1 in. dia., 12 ins. in the ground to bedrock, and in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked



from which

- A cedar, 10 ins.diam., bears S.19 $\frac{3}{4}$ °E., 41 lks.
dist., marked $\frac{1}{4}$ S29 BT
- A pinon, 10 ins.diam., bears S.28°W., 85 lks.
dist., marked $\frac{1}{4}$ S29 BT

56.85

Bottom of draw, 140 ft. below $\frac{1}{4}$ sec. cor., course NW.; gradually asc. broken SW. slope, 100 ft. to

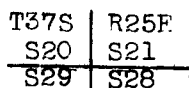
74.00

Low flat spur, projects W.; desc. N. slope, 40 ft. to

80.00

On slight N. slope, near bottom of draw, course W.

Set an iron post, 3 ft. long, 2 ins. dia., 10 ins. in the ground to bedrock, and in a large mound of stone, for cor. of secs. 20-21-28 and 29, with brass cap marked



1922

from which

- A cedar, 6 ins.diam., bears N.9 $\frac{1}{2}$ °E., 67 lks.
dist., marked T37S R25E S21 BT
- A pinon, 12 ins.diam., bears S.60 $\frac{1}{4}$ °E., 124 lks.
dist., marked T37S R25E S28 BT
- A cedar, 8 ins.diam., bears S.69 $\frac{1}{2}$ °W., 50 lks.
dist., marked T37S R25E S29 BT
- A cedar, 6 ins.diam., bears N.63°W., 56 lks.
dist., marked T37S R25E S20 BT

Land, broken; general W. exposure and drainage.

Soil, rocky, clay and some shallow sandy loam; surface strewn with sandstone boulders on parts of mile.

Timber, scattering to medium growth of scrub cedar and pinon.

Undergrowth, short, scattering sagebrush and greasewood.

Fair grazing land.

Station

N. 89°59' E.; on random line bet. secs. 21 and 28.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.12 Intersect the cor. of secs. 21-22-27 and 28.

Thence,

S. 89°59' W., on true line bet. secs. 21 and 28.

Over rolling top of high mesa, through medium dense timber and short, scattering undergrowth.

21.20 W. brink of mesa top, 40 ft. below sec. cor., bears N. 80°W. and S.; desc. along a broken and rocky S. slope of mesa break, 130 ft. to

40.06 On rocky S. slope, about 4 chs. S. of mesa brink, bearing E. and W.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

S21

$\frac{1}{4}$ ———
S28
1922

from which

A cedar, 7 ins. diam., bears N. 40° E., 40 lks. dist., marked $\frac{1}{4}$ S21 BT

A cedar, 10 ins. diam., bears S. 1° W., 6 lks. dist., marked $\frac{1}{4}$ S28 BT

Continue along S. slope to

45.50 Sour, 10 ft. below $\frac{1}{4}$ sec. cor., projects SW., and bears NE. 4 chs. dist. to point of high mesa, bears N. and E.; thence gradually desc. broken NW. and W. slopes, 370 ft.

78.00 Wash, 10 lks. wide, 2 ft. deep, in bottom of draw, at bend from NE. to course N. 70° W.

80.12 The cor. of secs. 20-21-28 and 29.

Land, rolling mesa top and broken slopes and benches; exposure and drainage SW.

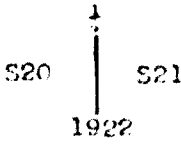
Soil, rocky, clay and shallow sandy and gravelly loam: surface strewn with large sandstone boulders on portions of mile.

Timber, medium dense cedar and pinon.

Undergrowth, scattered sagebrush and greasewood.

Fair grazing land.

Subdivision of T. 37 S., R. 25 E.

Chains							
	N. 0° 01' E., bet. secs. 20 and 21. Over broken land facing generally SW., through scattering timber and undergrowth.						
0.40	Wash, 10 lks. wide, 1 ft. deep, rocky bottom, in draw, course W.; gradually ascending broken SW. slope over several small draws, draining SW., 240 ft. to						
40.00	On gentle S. exposure, near top of ridge. Set an iron post, 3 ft. long, 1 in. dia., 12 ins. in the ground to bedrock, and in a large mound of stone, for 1 sec. cor., with brass cap marked						
	<div style="text-align: center;">  </div>						
	from which						
	A cedar, 14 ins. diam., bears N. 45° E., 50 lks. dist., marked S21 BT						
	A cedar, 12 in. diam., bears S. 41° W., 96 lks. dist., marked S20 BT						
42.90	Ridge, rolling ridge, bears E. and W.; begin descent over steep, broken and ledgy NW. slope towards Monument Canyon.						
67.20	Stock trail, bears NE. and SW.						
69.20	Recross trail, bears NW. and SE.						
70.30	Base of descent in bottom of depression on W. slope, drains W. for 3 chs. to bottom lands of canyon, 340 ft. below ridge; continue along rocky W. slope, asc. 15 ft.						
80.00	On rocky W. slope among huge sandstone boulders, and near E. edge of canyon bottom. Set an iron post, 3 ft. long, 2 ins. dia., 14 ins. in the ground to bedrock, and in a large mound of stone, for the cor. of secs. 16-17-20 and 21, with brass cap marked						
	<div style="text-align: center;"> <table border="1"> <tr> <td>T37S</td><td>R25E</td></tr> <tr> <td>S17</td><td>S16</td></tr> <tr> <td>S20</td><td>S21</td></tr> </table> </div>	T37S	R25E	S17	S16	S20	S21
T37S	R25E						
S17	S16						
S20	S21						
	1922						
	from which						
	A cedar, 16 ins. diam., bears S. 19° E., 159 lks. dist., marked T37S R25E S21 BT						

Subdivision of T. 37 S., R. 25 E.

Chains

A cedar, 8 ins. diam., bears S. 53° W., 155 lks.
dist., marked T37S R25E S20 BT

A cross, on S. face of huge boulder, 4 ft. above
ground, bears N. 41½° W., 37 lks. dist., marked
X B0 S17

A cross, on W. face of huge boulder, 4 ft. above
ground, bears N. 41½° E., 33 lks. dist., marked
X B0 S16

Note: Prehistoric ruin, on lone rock, 20 ft. high,
standing in level canyon bottom, bears S. 66° 20' W.,
approximately 12 chs. dist.

Land, rough and broken; SW. and NW. exposures; drainage
SW.

Soil, rocky, clay and gravelly loam; on rock and clay
subsoil.

Timber, scattering cedar and pinon.

Undergrowth, short, scattering sagebrush and greasewood.

Fair grazing land.

N. 89° 59' E., on random line bet. secs. 16 and 21.

40.00 Set temp. ¼ sec. cor.

80.18 Intersect N. and S. line, 7 lks. S. of the cor. of secs.
15-16-21 and 22.

Thence,

S. 89° 56' W., on true line bet. secs. 16 and 21.

Over rough and broken land, through medium dense timber
and scattering undergrowth; desc. NW. slope, 40 ft. to

1.30 Bottom of draw, course NE.; gradually asc. broken E.
slope, 80 ft. to

22.50 Spur, projects N.; and bears S. about 25 chs. to high
mesa; desc. steep, broken and rocky W. slope.

40.09 On W. slope, 225 ft. below spur, and 15 lks. N. of a
small depression, drains W.

Set an iron post, 3 ft. long, 1 in. dia., 14 ins. in
the ground to bedrock, and in a large mound of stone,
for ¼ sec. cor., with brass cap marked

S16

¼

S21

1922

from which

Subdivision of T. 37 S., R. 28 E.

Chains	
	<p>A cedar, 8 ins. diam., bears S. 62$\frac{1}{2}$° W., 43 lks. dist., marked $\frac{1}{4}$ S21° BT</p> <p>A cedar, 6 ins. diam., bears N. 67° W., 77 lks. dist., marked $\frac{1}{4}$ S16° BT</p>
60.50	<p>Continue descent over rocky W. and SW. slope, 245 ft. to Gulch, course N., from S. 70° E.; asc. broken NE. slope, 170 ft. to</p>
69.00	<p>Top of ascent on E. edge of bench spur, bears N. 20° W. and SE.; thence over level top to</p>
74.20	<p>W. edge of bench and E. brink of Monument Canyon, bears N. and S.; desc. abrupt, ledgy W. slope, 215 ft. to</p>
80.18	<p>The cor. of secs. 16-17-20 and 21, Land, rough and broken; exposure and drainage N. and NW. Soil, rocky, clay and sandy loam; lying on rock or clay subsoil; gray sandstone formation. Timber, medium dense cedar and pinon. Undergrowth, scattering sagebrush. Fair grazing land.</p> <hr/> <p>N. 0° 01' E., bet. secs. 16 and 17. Over rough and broken land, through scattering timber and short undergrowth; asc. along rocky W. slope, 55 ft.</p>
5.60	<p>Top of ascent on W. slope; desc. along abrupt, ledgy W. slope, 115 ft. to</p>
13.50	<p>Dry, sandy channel of wash, 1$\frac{1}{2}$ chs. wide, 15 ft. deep, in bottom of Monument Canyon, at bend, course from NW. to S. 60° W.; also mouth of deep canyon entering from E.</p>
27.00	<p>Ascend abrupt, ledgy SW. slope, 120 ft. to Top of rocky point on W. slope, breaks off to W.; desc. ledgy N. slope, 115 ft. to</p>
29.05	<p>Left bank of wash, 20 ft. high, bears S. 80° W. and NE.; thence up along bottom of wash, course S. 80° W. from N.</p>
36.55	<p>Same bank, 15 ft. high, bears N. 70° W. and S. 10° E. Course of wash from NW. to S.; asc. rocky SW. slope.</p>

Subdivision of T. 37 S., R. 25 E.

Chains

- 40.00 On gentle S. slope, 80 ft. above the wash.
Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

$$\begin{array}{c} \frac{1}{4} \\ | \\ S17 \quad | \quad S16 \\ | \\ 1922 \end{array}$$

from which

A cedar, 14 ins. diam., bears N. 42° E., 53 lks.,
dist., marked $\frac{1}{4}$ S16 BT
A cedar, 10 ins. diam., bears S. 9° W., 65 lks.,
dist., marked $\frac{1}{4}$ S17 BT

- 45.15 Top of ascent on rocky point of W. slope, 40 ft. above $\frac{1}{4}$ sec. cor., slopes off to W.; continue along a broken W. slope, on E. side of canyon bottom, desc. 75 ft. to cor.
- 72.00 Dilapidated, prehistoric ruins, situated on rocky point projecting N., bears E. of line 80 lks. dist.
- 76.10 Left bank of wash, 10 ft. high, bears SE. and S. 30° W.; thence across dry channel of wash in bottom of Monument Canyon, course from SE. to S. 20° W.
- 80.00 True point for sec. cor. falls in bottom of wash where corner cannot be perpetuated, therefore at,
- 81.40 Set an iron post, 3 ft. long, 2 ins. dia., 4 ins. in ground to bedrock, and in a large mound of stone, for witness cor. to the cor. of secs. 8-9-16 and 17, with brass cap marked

$$\begin{array}{c} T37S \quad R25E \\ | \quad | \\ S8 \quad | \quad S9 \\ | \quad | \\ S17 \quad | \quad S16 \\ | \\ 1922 \end{array}$$

from which

A cross, on S. face of a 4 ft. ledge, 23 ft. above ground, bears N. $27\frac{1}{2}^{\circ}$ E., 52 lks. dist., marked X B0 S9
A cross, on SE. face of large boulder, 3 ft. above ground, bears N. $82\frac{1}{2}^{\circ}$ W., 42 lks. dist., marked X B0 S8

Corner situated in N. edge of canyon bottom at base of ledgy slope, and 40 lks. N. of the right bank of wash, 20 ft. high, bearing E. and SW.

Land, rough and broken slopes of Mounument Canyon; line follows near bottom of the canyon on greater part of

Subdivision of T. 37 S., R. 25 E.

Chains	
	<p>mile; where canyon has a general southerly course.</p> <p>Soil, rocky and sandy loam. with some clay; surface broken by rim ledges and strewn with boulders.</p> <p>Timber, scattering cedar and pinon.</p> <p>Undergrowth, scattering sagebrush and greasewood, dense along canyon bottom.</p> <p>Fair grazing land.</p> <hr/>
	<p>From true cor. point,</p> <p>N. 89°56' E., on random line bet. secs. 9 and 16.</p>
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.14	Intersect N. and S. line, 9 lks. S. of the cor. of secs. 9-10-15 and 16.
	<p>Thence,</p> <p>S. 89°52' W., on true line bet. secs. 9 and 16.</p> <p>Over rough and broken land, through scattering timber and short undergrowth; desc. broken and rocky NW. slope, 220 ft. to</p>
16.40	Left bank of wash, 15 ft. high, vertical, bears NE. and SW.; thence across dry, sandy channel of wash, in bottom of Mounment Canyon, course SW., from N. 20°E.
18.40	Right bank of wash, 3 ft. high, bears NE. and SW.; thence over low sandy point, with few scattered cottonwoods.
19.80	Same bank, bears N. 20°E. and SE.; thence across wash, course N. 10°E.
21.30	Left bank of wash, 10 ft. high, bears N. 10°E. and SE.; asc. abrupt, ledgy E. slope, 200 ft. to
25.80	Rocky point; projects NE. about 10 chs. to end; thence along an abrupt, ledgy N. slope.
35.10	Base of depression on N. slope; 170 ft. below point, drains N. about 2 chs. dist. to left bank of wash in the canyon; asc. 50 ft. to
40.07	On steep, ledgy NE. slope.
	<p>Set an iron post, 3 ft. long, 1 in. dia., 10 ins. in the ground to bedrock, and in a large mound of stone,</p>

Subdivision of T. 37 S., R. 25 E.

Chains

for $\frac{1}{4}$ sec. cor., with brass cap marked

S9

$\frac{1}{4}$ ———

S16

1922.

from which

A cedar, 6 ins.diam., bears S. $63\frac{1}{2}^{\circ}$ E., 58 lks.
dist., marked $\frac{1}{4}$ S16 BT

A cedar, 8 ins.diam., bears N. 42° W., 76 lks.
dist., marked $\frac{1}{4}$ S9 BT

41.00 Top of rocky point on N. slope, 40 ft. above $\frac{1}{4}$ sec. cor.,
projects NW. approximately 8 chs. dist. to end.; desc.
steep, ledgy W. slope, 185 ft. to

51.60 Left bank of wash, 15 ft. high, vertical, bears NW. and
S. 20° W.; thence across dry, sandy channel of wash, in
Monument Canyon, course from NW. to SW. and W.

55.90 Right bank of wash, bears N. 20° W. and S. 20° E.: asc.
steep, rocky E. slope, 120 ft. to

59.60 Rocky point on S. slope, projects S.

62.70 Begin descent over ledgy S. and SW. slopes, 175 ft. to

76.10 Right bank of same wash, bears N. 60° W. and S.; thence
across dry channel of wash, course from S. to W.

80.14 True point for cor. of secs. 8-9-16 and 17, in wash
bottom, and 1.40 chs. S. of the witness cor.

Land, rough and broken slopes of Monument Canyon.

Soil, rocky in form of sandstone ledges and boulders,
with shallow clay and sandy loam: clay loam in canyon
bottom.

Timber, scattering cedar and pinon.

Undergrowth, scattering sagebrush.

Fair grazing land.

N. $0^{\circ}01'$ E., bet. secs. 8 and 9, from true cor. point
in bottom of wash.

Over broken and rough land, through scattering timber
and short undergrowth; proceed across wash to

1.00 Right bank of wash in Monument Canyon, 20 ft. high, bears

Chains

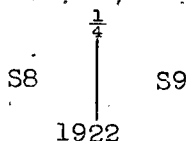
anlago

E. and SW.

1.40 The witness cor.; begin abrupt ascent over ledgy S. slope, 515 ft. to

30.60 Top of ascent on W. slope, slopes off to W. and ascends to E.; thence over broken bench land, through heavier timber, general W. and SW. exposure.

40.00 On gentle W. slope, 85 ft. below top of ascent.
Set an iron post, 3 ft. long, 1 in. dia., 20 ins. in the ground to bedrock, and in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked



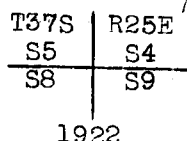
from which

A cedar, 6 ins.diam., bears N.38°E., 42 lks.
dist., marked $\frac{1}{4}$ S9 BT

A cedar, 8 ins.diam., bears S.53 $\frac{1}{2}$ °W., 45 lks.
dist., marked $\frac{1}{4}$ S8 BT

44.80 Shallow depression on W. slope, 45 ft. below $\frac{1}{4}$ sec. cor., drains W.; gradually asc. SW. exposure, 95 ft. to

80.00 On gentle S. slope.
Set an iron post, 3 ft. long, 2 ins. dia., 4 ins. in the ground to bedrock, and in a large mound of stone, for cor. of secs. 4-5-8 and 9, with brass cap marked



from which

A pinon, 6 ins.diam., bears N.77°E., 88 lks.
dist., marked T37S R25E S4 BT

A cedar, 8 ins.diam., bears S.82 $\frac{3}{4}$ °E., 80 lks.
dist., marked T37S R25E S9 BT

A pinon, 10 ins.diam., bears S.14 $\frac{1}{2}$ °W., 41 lks.
dist., marked T37S R25E S8 BT

A pinon, 14 ins.diam., bears N.5 $\frac{1}{2}$ °W., 44 lks.
dist., marked T37S R25E S5 BT

Land, rough and broken; breaks of Monument Canyon and bench or mesa land; exposure S. and SW.

Soil, rocky, clay and some shallow gravelly loam.

Timber, scattering to dense cedar and pinon.

Undergrowth, scattering sagebrush. Fair grazing.

Subdivision of T. 37 S., R. 25 E.

Chains

N. $89^{\circ}52'$ E., on random line bet. secs. 4 and 9.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.12 Intersect the cor. of secs. 3-4-9 and 10.

Thence,

S. $89^{\circ}52'$ W., on true line, bet. secs. 4 and 9.

Over broken and rolling land, through medium dense timber and short, scattering undergrowth; asc. abrupt, ledgy SE. canyon slope, 70 ft. to

2.10 W. brink of Monument Canyon, bears N. and S.: thence over rolling bench or mesa top, gradually asc. 55 ft. to

13.00 Low flat ridge on mesa, bears NE. and SW.: thence over gentle SW. exposure, descending 80 ft. to

36.80 E. rim of gulch, bears N. and S.; desc. abrupt, rocky SW. slope.

40.06 On abrupt, rocky SW. slope, 65 ft. below rim.

Set an iron post, 3 ft. long, 1 in. dia., 20 ins. in the ground to bedrock, and in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked

S4

$\frac{1}{4}$ —

S9

1922

from which

A cedar, 8 ins.diam., bears S. $17^{\circ}5'$ W., 64 lks.
dist., marked $\frac{1}{4}$ S9/BT

A pinon, 6 ins.diam., bears N. $77^{\circ}5'$ W., 86 lks.
dist., marked $\frac{1}{4}$ S4/BT

Cor. situated 30 lks. W. of base of 12 ft. sandstone ledge facing SW. and about 50 lks. E. of two huge boulders. Desc. 145 ft. to

47.90 Bottom of deep, rocky gulch, course SE. to S.; asc. abrupt, ledgy E. slope, 160 ft. to

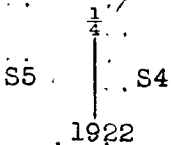
57.00 W. rim of the gulch, bears N. and SE.; thence gentle ascent over bench.

72.00 Top of low flat ridge, 25 ft. above rim, bears N. and S.
Descend SW. exposure, 25 ft. to

80.12 The cor. of secs. 4-5-8 and 9.

Land, broken and rolling; general southern exposure

Subdivision of T. 37 S., R. 25 E.

Chains	
	<p>and drainage..</p> <p>Soil, rocky, clay and shallow sandy loam.</p> <p>Timber, medium dense cedar and pinon.</p> <p>Undergrowth, short, scattering sagebrush.</p> <p>Fair grazing land.</p>
	<hr/> <p>N. $0^{\circ} 21'$ E., on random line bet. secs. 4 and 5.</p>
40.00	Set temp. $\frac{1}{2}$ sec. cor.
79.14	<p>Intersect N. bdy. of tp., 1 lk. W. of the cor. of secs. 4-5-32 and 33, which is an iron post, 2 ins. dia., recently set by me and described in survey notes of T. 36 S., R. 25 E.</p> <p>Thence,</p> <p>S. $0^{\circ} 21'$ W., on true line bet. secs. 4 and 5.</p> <p>Over rolling and broken land, through medium dense timber and short, scattering undergrowth; gradually asc. N. slope, 65 ft. to</p>
10.80	Spur, projects E.; gradually desc. over broken SE. slope.
39.14	<p>On a gentle SE. exposure, 175 ft. below spur.</p> <p>Set an iron post, 3 ft. long, 1 in. dia., 10 ins. in the ground to bedrock, and in a large mound of stone, for $\frac{1}{2}$ sec. cor., with brass cap marked</p> <div style="text-align: center;">  <p>S5 | S4</p> <p>1922</p> </div> <p>from which</p> <p>A cedar, 12 ins. diam., bears N. $28\frac{1}{2}^{\circ}$ E., 83 lks. dist., marked $\frac{1}{2}$ S4 BT</p> <p>A cedar, 6 ins. diam., bears S. $56\frac{1}{2}^{\circ}$ W., 44 lks. dist., marked $\frac{1}{2}$ S5 BT</p>
41.10	<p>Wash, 10 lks. wide, 2 ft. deep, in shallow draw, 10 ft. below $\frac{1}{4}$ sec. cor., drains S. 60° E.; gradually asc. rolling E. slope, 15 ft. to</p>
62.20	<p>Low, rolling ridge, bears W., and E. for 5 chs.. thence S.; desc. broken SW. slope, 80 ft. to</p>
79.14	The cor. of secs. 4-5-8 and 9.

Subdivision of T, 37 S., R. 25 E.

Chains

Land, rolling and broken bench or mesa; general SW. exposure and drainage.

Soil, clay and gravelly loam and rocky; sandstone formation.

Timber, medium dense cedar and piñon.

Undergrowth, short, scattering sagebrush. Fair grazing.

From the cor. of secs. 5-6-31 and 32 on S. bdy. of tp., which is an iron post, 2 ins. dia., firmly set in, and extending 6 ins. above a large mound of stone, properly marked and witnessed as described by the surveyor general. Thence,

N. 0°01' E., bet. secs. 31 and 32.

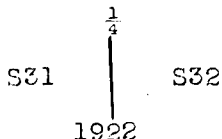
Over broken and rolling bench lands having a general SW. exposure, through scattering scrub timber and short, sparse undergrowth; asc. SW. slope, 15 ft. to

1.50 Top of raise, bears E. and W.: gently descending along broken NW. slope, 35 ft. to

20.90 N. rim of bench, bears W., and NE. for about 6 chs. thence E.: desc. more abruptly rocky NW. slope, 165 ft.

30.10 Depression on W. slope, drains W.: gradually asc. SW. slope, 25 ft. to cor.

40.00 On slight S. exposure, on point, projecting NW. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked



from which

A cedar, 12 ins. diam., bears N. 83° E., 131 lks. dist., marked $\frac{1}{4}$ S32 BT

A cedar, 6 ins. diam., bears N. 42° W., 92 lks. dist., marked $\frac{1}{4}$ S31 BT

41.80 Begin descent over broken and rocky NE. slope, 120 ft.

49.40 Base of descent and rocky land, bears NW. and SE.: thence over nearly level hollow bottom, leaving all timber.

Subdivision of T: 37° S., R: 25 E.

Chains

- 50.75 Wash, 15 lks. wide, 4 ft. deep, course N. 60° W. for about 8 chs. to junction with main wash.
- 53.90 Main wash, 20 lks. wide, 6 ft. deep, course W.
- 63.45 Leave bottom land, enter rocky land and scattered timber, bears N. 20° W. and E.; asc. abrupt SW. slope, 160 ft. to
- 77.50 Top of ascent on point of bench, projects W.; gently desc. 10 ft. to
- 79.83 As the true point for sec. cor. will fall on impracticable place, therefore at this point, 17 lks. S. of true point Set an iron post, 3 ft. long, 2 ins. dia., 6 ins. in the ground to bedrock, and in a large mound of stone, for witness cor. to the cor. of secs. 29-30-31 and 32, with brass cap marked

WC	
T37S	R25E
S30	S29
S31	S32

1922

from which

- A cedar, 14 ins. diam., bears S. 60½° E., 19 lks. dist., marked T37S R25E S32/BT WC
- A pinon, 14 ins. diam., bears S. 35° W., 21 lks. dist., marked T37S R25E S31/BT WC
- A cross, on W. face of ledge, 8 ins. from top, bears N. 20½° E., 20 lks. dist., marked X BOS29WC also deposit a sandstone, 12x10x4 ins., marked with cross, alongside post.

Cor. situated on NW. rim of bench; bearing NE. and SW.

- 80.00 True point for sec. cor. falls on broken N. face of sandstone ledge, 35 ft. high, bears NE. and SW., where it is impossible to set cor.

Land, rolling and broken benches; general exposure SW. and W.; drainage SW.

Soil, rocky, shallow clay and sandy loam; heavy clay loam in hollow bottom; gray sandstone formation.

Timber; scattering cedar and pinon.

Undergrowth, short scattering sagebrush and white grease-wood. Fair grazing land.

East, on random line bet. secs. 29 and 32, from true cor point.

Subdivision of T. 37 S., R. 25 E.

Chains	
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.10	Intersect N. and S. line, 16 lks. S. of the cor. of secs. 28-29-32 and 33. Thence, S. $89^{\circ}53'$ W., on true line bet. secs. 29 and 32. Over broken bench lands having a general SW. exposure, through scattering scrub timber and short undergrowth. desc. rocky NW. slope, 125 ft. to
14.40	Wash, 20 lks. wide, 3 ft. deep, in bottom of hollow, course SW., from N. 60° E.: asc. broken E. slope, 60 ft.
25.50	Spur, projects S.: desc. rocky W. slope, 100 ft. to
33.60	Wash, 10 lks. wide, 2 ft. deep, in bottom of hollow, course S.: asc. broken E. slope.
40.05	On E. slope, 40 ft. above wash. Set an iron post, 3 ft. long, 1 in. dia., 18 ins. in the ground to bedrock, and in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked <div style="text-align: center;"> S29 $\frac{1}{4}$ ——— S32 1922 </div>
	from which <div style="margin-left: 40px;"> A cedar, 8 ins. diam., bears N. 79° W., 79 lks. dist., marked $\frac{1}{4}$ S29 PT A cedar, 6 ins. diam., bears S. 49° W., 87 lks. dist., marked $\frac{1}{4}$ S32 BT </div>
46.60	Spur ridge, 150 ft. above $\frac{1}{4}$ sec. cor., bears N., and S. for 3 chs., thence to W.: desc. along gradual broken NW. slope, 205 ft. to
80.10	True point for cor. of secs. 29-30-31 and 32, 17 lks. N. of the W.C. Land, broken benches and slopes; general exposure and drainage SW. Soil, rocky, clay and sandy loam, lying on rock or clay subsoil; gray sandstone formation. Timber, scattering scrub cedar and pinon. Undergrowth, short, scattering sagebrush and greasewood. Fair grazing land.

Subdivision of T. 37 S., R. 25 E.

Chains	
	West, on random line bet. secs. 30 and 31, from true cor. point:
40.00	Set temp. $\frac{1}{4}$ sec. cor.
78.00	Intersect W. bdy. of tp., 9 lks. S. of the cor. of secs. 25-30-31 and 36, which is an iron post, 2 ins. dia., recently set and described by me in survey notes of T. 37 S., R. 24 E.
	Thence,
	S. $89^{\circ}56'$ E., on true line bet. secs. 30 and 31.
	Over rough and broken land having a general S. and SW. exposure, through scattering timber and short undergrowth: gradually asc. W. slope, 65 ft. to
10.40	Spur, projects SW. and ascends NE. to high point of bench. thence along a broken and rocky S. slope, ascending 80 ft. to
37.25	Top of ascent on rocky S. point of spur, from NW.
38.00	On E. slope, 10 ft. below top and on rocky S. point. Set an iron post, 3 ft. long, 1 in. dia., 6 ins. in the ground to bedrock, and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked
	S30 $\frac{1}{4}$ ——— S31 1922
	from which
	A cedar, 10 ins. diam., bears S. $49^{\circ}W.$, 78 lks. dist., marked $\frac{1}{4}$ S31 BT
	A cross, on black sandstone boulder in place, showing 2x3x4 ft. above ground, bears N. $10^{\circ}W.$, 45 lks. dist., marked <u>B0</u> S30
	Descend abrupt, ledgy E. slope, 200 ft. to
50.00	Gulch, course S.; heads about 6 chs. N. of line; asc. abrupt W. slope, 115 ft. to
57.80	Spur, projects S.; desc. abrupt, ledgy E. slope, 120 ft.
61.20	Base of rocky slope, enter open hollow bottom, bears NE. and SW.; thence over level bottom.
71.00	Wash, 25 lks. wide, 4 ft. deep, in E. edge of hollow, course SW.; asc. abrupt, rocky NW. slope, 120 ft. to

Main

75.00

The true point for cor. of secs. 29-30-31 and 32,
which is 17 lks. N. of the witness cor.

Land, rough and broken; general SW. and S. exposure;
drainage SW.

Soil, rocky and clay; surface broken by rim ledges,
sandstone outcrops and boulders.

Timber, scattering scrub cedar and pinon.

Undergrowth, short, scattering sagebrush and greasewood.

Fair grazing land.

N. 0°01' E., bet. secs. 29 and 30, counting dist. from
true cor. point, which is 17 lks. N. of the W.C.

Over rough and broken land, through scattering timber
and short undergrowth: desc. abrupt, rocky NW. slope,
100 ft. to

2.55

Base of slope, enter open hollow, bears NE. and SW.;
thence over level bottom.

7.30

Wash, 30 lks. wide, 4 ft. deep, in hollow, course SW.

11.20

Leave bottom, bears NE. and SW.; asc. abrupt, ledgy
SE. and S. slope, 365 ft. to

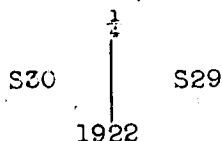
38.25

Top of the abrupt and ledgy slope, bears E. and W.;
continue more gradual ascent over broken bench facing
S. and SE.

40.00

On slight S. slope, on bench.

Set an iron post, 3 ft. long, 1 in. dia., 18 ins. in
the ground to bedrock, and in a large mound of stone,
for $\frac{1}{4}$ sec. cor., with brass cap marked



from which

A cedar, 14 ins. diam., bears S. 84° E., 16 lks.
dist., marked $\frac{1}{4}$ S29 BT

A cedar, 6 ins. diam., bears N. 25 $\frac{1}{2}$ ° W., 12 lks.
dist., marked $\frac{1}{4}$ S30 BT

75.70

Top of high point of ridge, 205 ft. above $\frac{1}{4}$ sec. cor.,

Subdivision of T. 37 S., R. 28 E.

Chains

anlada

80.00

bears NE. and SW.; desc. rolling N. slope, 50 ft. to
On gradual N. slope.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in
the ground, for cor. of secs. 19-20-29 and 30, with
brass cap marked

T37S	R25E
S19	S20
S30	S29

1922

from which

A cedar, 6 ins. diam., bears N. $81\frac{1}{2}^{\circ}$ E., 231 lks.
dist., marked T37S R25E S20 BT

A cedar, 8 ins. diam., bears S. $78\frac{1}{2}^{\circ}$ E., 162 lks.
dist., marked T37S R25E S29 BT

A cedar, 6 ins. diam., bears S. 78° W., 85 lks.
dist., marked T37S R25E S30 BT

A cedar, 12 ins. diam., bears N. $9\frac{1}{4}^{\circ}$ W., 62 lks.
dist., marked T37S R25E S19 BT

also deposit a black trachyte rock, 17x11x3 ins.,
marked with cross (X), alongside post.

Land, rough and broken; exposure and drainage S. to SW.
on the S. 75.70 chs., and N. on remainder of mile.

Soil, rocky and clay; gray sandstone formation.

Timber, scattering cedar and pinon.

Undergrowth, short, scattering sagebrush and greasewood.

Fair grazing land.

N. $89^{\circ}53'$ E., on random line bet. secs. 20 and 29.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.12 Intersect N. and S. line, 14 lks. N. of the cor. of
secs. 20-21-28 and 29.

Thence,

S. $89^{\circ}59'$ W., on true line bet. secs. 20 and 29.

Over rough broken land, through scattering timber and
short undergrowth; along gentle W. slope, near bottom
of draw.

5.20 Draw, course S. 60° W.; asc. rocky SE. slope, 105 ft. to

26.20 Top of rocky point, projects S.; desc. broken SW. slope.

40.06 On gentle SW. exposure, 145 ft. below rocky point.

Set an iron post, 3 ft. long, 1 in. dia., 16 ins. in

Chains

the ground to bedrock, and in a mound of stone, for
 $\frac{1}{4}$ sec. cor., with brass cap marked

S20

$\frac{1}{4}$

S29
 1922

from which

A cedar, 10 ins.diam., bears S.67 $\frac{1}{2}$ °E., 58 lks.
 dist., marked $\frac{1}{4}$ S29/BT

A cedar, 8 ins.diam., bears N.50 $\frac{1}{2}$ °W., 82 lks.
 dist., marked $\frac{1}{4}$ S20/BT

- 43.70 Depression on S. slope, 10 ft. below $\frac{1}{4}$ sec. cor.,
 drains S.; asc. broken SE. slope, 185 ft. to
 54.90 E. rim of bench, bears N.30°E. and S.30°W.; continue
 gentle ascent over SE. exposure of 60 ft. to
 78.00 High ridge, bears NE. and SW.; gently desc. NW. slope,
 10 ft. to

- 80.12 The cor. of secs. 19-20-29 and 30.
 Land, rough and broken; southern exposure and drainage.
 Soil, clay and rocky: sandstone formation.
 Timber, scattering cedar and pinon.
 Undergrowth, short, scattering sagebrush and greasewood.
 Fair grazing land.

N. 89°56' W., on random line bet. secs. 19 and 30.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.

- 78.04 Intersect W. bdy. of tp., 7 lks. N. of the cor. of
 secs. 19-24-25 and 30, which is an iron post, 2 ins.
 dia., recently set and described by me in survey notes
 of T. 37 S., R. 24 E.

Thence,

S. 89°59' E., on true line bet. secs. 19 and 30.

Over rough and broken land, through scattering timber
 and short undergrowth; gently desc. over narrow bench,
 extending N. and S.

- 4.20 E. rim of bench, bears N.30°W. and S.; also point from
 which a corral bears N.56°10' E., approximately 25

Subdivision of T. 37 S., R. 25 E.

Chains	
	chs. dist.: desc. abrupt, rocky E. slope, 140 ft. to
7.80	Base of slope, leave timber, enter bottom lands with dense undergrowth, bears N. and S.
10.10	Vertical bank of wash, 12 ft. high, bears N. and S.; thence across dry, sandy channel of wash, in bottom of Monument Canyon, course S. A small spring of fairly good water bears up the wash about 15 chs. dist., water from which sinks before reaching this point.
11.85	Left bank, 3 ft. high, bears N. and S.
18.00	Leave bottom land, bears S., and N. for 6 chs. thence to E.: asc. abrupt, rocky W. slope, 265 ft. to
28.10	Top of abrupt ascent, bears N. and S.: thence gradually asc. over bench, rocky W. slope, 55 ft. to
38.04	On bench, gentle NW. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 4 ins. in the ground to bedrock, and in a large mound of stone, for 1 sec. cor., with brass cap marked
	S19
	4 ———
	S30
	1922
	from which
	A cedar, 12 ins. diam., bears N. 82½° E., 60 lks. dist., marked 4 S19 BT
	A cedar, 10 ins. diam., bears S. 67½° E., 96 lks. dist., marked 4 S30 BT
52.90	Leave lower bench, bears NW. and S., asc. abrupt, rocky SW. and W. slope, 190 ft. to
63.60	Top of abrupt ascent on W. rim of upper bench, bears NW. and S. 10° W.: continue a gradual ascent over rolling NW. slope, 80 ft. to
78.04	The cor. of secs. 19-20-29 and 30, 315 ft. above 4 sec. cor.
	Land, rough and broken; E. and NW. exposures into Monument Canyon; drainage SW.
	Soil, rocky, clay and shallow sandy loam, lying on rock or clay subsoil; sandstone formation.
	Timber, scattering cedar and pinon.
	Undergrowth, scattering sagebrush.

Stations

N. $0^{\circ}01'$ E., bet. secs. 19 and 20.

Over rough, broken and rocky land, through scattering timber and short undergrowth; gradually desc. N. slope.

11.60 Rim of bench bears NE. and W.; desc. abrupt NW. and W. rocky slopes.

23.90 Depression on W. slope, 340 ft. below bench, drains W.; asc. abrupt, ledgy SE. slope, 120 ft. to

39.65 Top of ascent on rocky point of W. slope, projects W., and bears E. 2 chs. to rim of bench.

39.80 As the true point for 1 sec. cor. will fall on impracticable place, therefore at this point,

Set an iron post, 3 ft. long, 1 in. dia., 12 ins. in the ground to bedrock, and in a large mound of stone, for witness cor. to the 1 sec. cor., with brass cap marked



from which

A cross on E. face of sandstone boulder, 5x12x10 ft., 3 ft. above ground, marked thus $\begin{array}{|c|} \hline EC \\ \hline \end{array}$ bears S. 21° W., 32 1/2 lks. dist. $\begin{array}{|c|} \hline S19 \\ \hline \end{array}$

A cross on N. face and 5 ft. above ground, of sandstone boulder, 7x8x20 ft., marked $\begin{array}{|c|} \hline EC \\ \hline \end{array}$ bears S. 25° E., 15 lks. dist. $\begin{array}{|c|} \hline S20 \\ \hline \end{array}$

40.00 True point for 1 sec. cor. falls on E. face of broken rim ledge, where it is impossible to set cor.

Desc. abrupt, rocky N. slope, 180 ft. to

46.15 Base of slope, enter bottom land with dense undergrowth, bears E. and W.

51.50 Wash, 160 lks. wide, 10 ft. deep, dry, in bottom of Monument Canyon, course W.

60.20 Leave bottom land, bears N. 30° E. and S. 70° W.; asc. over abrupt, ledgy SE. and E. slope, 275 ft. to

80.00 On top of abrupt canyon slope and edge of bench, bears N. 10° E. and S. 10° W.

Cut cross (X) in bedrock, over which set an iron post, 3 ft. long, 2 ins. dia., in large mound of stone, 5

Chains

ft. base, for cor. of secs. 17-18-19 and 20, with
brass cap marked

T37S	R25E
S18	S17
S19	S20

1922

from which

- A cedar, 10 ins.diam., bears N.11°E., 91 lks.
dist., marked T37S R25E S17 BT
- A cedar, 12 ins.diam., bears S.76°W., 147 lks.
dist., marked T37S R25E S19 BT
- A cedar, 10 ins.diam., bears N.66°W., 135 lks.
dist., marked T37S R25E S18 BT

No trees available in sec. 20.

Land, rough and broken; general NW. and SE. slopes of
Monument Canyon; drainage SW.

Soil, rocky in form of broken ledges, outcrops and
boulders, clay and shallow sandy loam, on slopes;
dark, hard clay loam in canyon bottom.

Timber, scattering scrub cedar and pinon.

Undergrowth, scattering sagebrush and greasewood.

Fair to poor grazing land.

N. 89°59' E., for visible signal at cor. secs. 16-17-
20 and 21, on random line bet. secs. 17 and 20.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.08 Intersect the cor. of secs. 16-17-20 and 21.

Thence,

S. 89°59' W., on true line bet. secs. 17 and 20.

Over broken and rolling land, through scattering timber
and short undergrowth; desc. W. slope, 60 ft. to

4.60 Base of rocky slope and leave timber, enter level
bottom land with dense undergrowth, bears N. and S.

13.80 Left bank of wash, 5 ft. high, bears NE. and SW.; thence
across dry, sandy channel of wash in bottom of Monument
Canyon, course SW.

17.90 Right bank, 6 ft. high, bears NE. and SW.

19.00 Same bank, bears NW. and SE.; thence across wash, course
NW.

Subdivision of T. 37 S., R. 25 E.

Stations

- 21.80 Rocky point, 20 ft. high, forming right bank of wash,
at bend, bears SE. and SW.; thence across wash, course
SW.
- 27.00 Left bank, 10 ft. high, bears NE. and SW.; thence over
nearly level bottom land to
- 31.30 Leave bottom land, enter rocky land and scattering timber,
bears NE. and SW.; asc. rocky E. slope, 95 ft. to
- 38.80 Top of ascent on rocky point, projects S.; desc. 20 ft.
- 40.04 On SW. slope.
Set an iron post, 3 ft. long, 1 in. dia., 5 ins. in
the ground to bedrock, and in a large mound of stone,
for $\frac{1}{4}$ sec. cor., with brass cap marked
- S17
 $\frac{1}{4}$ ———
S20
1922
- from which
- A cedar, 8 ins. diam., bears S. 36° W., 48 lks.
dist., marked $\frac{1}{4}$ S20 PT
- A cedar, 8 ins. diam., bears N. 58° W., 47 lks.
dist., marked $\frac{1}{4}$ S17 PT
- Desc. broken SW. slope, 115 ft. to
- 44.90 Base of slope, leave rocky ground and nearly all timber,
enter level bottom land, bears N. for 2 chs. thence W.
and S. for 4 chs. thence to E.
- 55.50 Cross S. edge of low rocky point, from N.
- 68.10 Wash, 15 lks. wide, 5 ft. deep, from gulch to N., course
S.
- 73.10 Leave bottom land, bears N. 20° E. and S. 20° W.; asc.
abrupt, ledgy E. slope, 250 ft. to
- 80.08 The cor. of secs. 17-18-19 and 20, on top of brink.
Land, rolling, broken and level bottom land, along
Monument Canyon; drainage SW.
Soil, rocky and clay on slopes; deep, heavy clay loam
in bottom lands.
Timber, scattering cedar and pinon, on portions.
Undergrowth, dense sagebrush and greasewood in bottom
lands, scattering on the slopes.

Subdivision of T. 37 S., R. 25 E.

Chains	
	Fair grazing land.
	N. 89°59' W., on random line bet. secs. 18 and 19.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
78.08	Intersect W. bdy. of tp., 2 lks. N. of the cor. of secs. 13-18-19 and 24, which is an iron post, 2 ins. dia.; recently set and described by me in survey notes of T. 37 S., R. 24 E.
	Thence,
	East, on true line bet. secs. 18 and 19.
	Over rough, broken land, through scattering timber and short undergrowth; gently desc. slight E. slope, 10 ft.
3.70	Rim of mesa top and W. brink of gulch, bears N.20°W. and S.20°E.; desc. abruptly over ledgy E. slope, 490 ft. to
24.70	Wash, 30 lks. wide, 3 ft. deep, in bottom of deep gulch, course S.15°E.; asc. abrupt, ledgy SW. slope, 205 ft. to
32.40	E. rim of gulch, bears N.20°W. and S.20°E.; continue more gradual ascent over rolling and broken SW. slope.
38.08	On gradual SW. slope, 80 ft. above rim.
	Set an iron post, 3 ft. long, 1 in. dia., 16 ins. in the ground to bedrock, and in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked
	S18 $\frac{1}{4}$ ——— S19 1922
	from which
	A pinon, 8 ins.diam., bears S.53°E., 97 lks. dist., marked $\frac{1}{4}$ S19 BT
	A cedar, 8 ins.diam., bears N.22 $\frac{1}{2}$ °W., 70 lks. dist., marked $\frac{1}{4}$ S18 BT
64.00	Top of ascent, 165 ft. above $\frac{1}{4}$ sec. cor., slopes off to S., and bears NW.; desc. E. slope, 160 ft. to cor.
78.08	The cor. of secs. 17-18-19 and 20.
	Land, rough and broken; general southern exposure and drainage into Monument Canyon.

Subdivision of T. 27 S., R. 25 E.

Chains

Soil, rocky and clay, surface broken by rim ledges and strewn with large boulders; sandstone formation.

Timber, scattering cedar and pinon.

Undergrowth, short, scattering sagebrush and greasewood.

Fair to poor grazing land.

N. 0°01' E., bet. secs. 17 and 18.

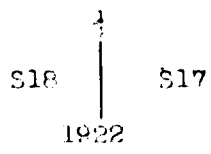
Over broken land facing E., through scattering to medium dense timber and short undergrowth; gently ascending along bench, near E. edge.

14.30 Rim of bench, bears NW. and S.30°E.; desc. 120 ft. to

21.10 Bottom of depression on E. slope, drains E., and heads W. 4 chs. dist.; asc. 125 ft. to

25.90 Rim of bench, bears NE. and SW.; continue along broken slope, E. exposure.

40.00 In slight depression on E. slope, 55 ft. above sec. cor. Set an iron post, 3 ft. long, 1 in. dia., 4 ins. in ground to bedrock, and in a large mound of stone, for 1/2 sec. cor., with brass cap marked



from which

A cedar, 14 ins. diam., bears S.40°E., 53 lks. dist., marked S17 PT

A cedar, 10 ins. diam., bears S.81°W., 76 lks. dist., marked S18 PT

44.00 Top of rocky point, 70 ft. above 1/2 sec. cor., slopes off to E.; gently desc. broken NE. and E. slope, 55 ft.

56.25 Shallow draw, course SE. for about 8 chs. to head of deep gulch, course S.; gradually asc. rocky S. slope, 105 ft. to sec. cor.

79.90 As true point for sec. cor. falls where cor. cannot be set, therefore at this point,

Set an iron post, 3 ft. long, 2 ins. dia., 10 ins. in the ground to bedrock, and in a large mound of stone,

Subdivision of R. 37 S. & R. 26 E.

Chains

for witness cor. to the cor. of secs. 7-8-17 and 18,
with brass cap marked

WC	
T37S	R25E
S7	S8
S18	S17

1922

from which

A cedar, 10 ins.diam., bears N.26°E., 27 lks.
dist., marked WC T37S R25E S8 BT
A cedar, 10 ins.diam., bears S.63°E., 68 lks.
dist., marked WC T37S R25E S17 BT
A cedar, 12 ins.diam., bears S.33½°W., 43 lks.
dist., marked WC T37S R25E S18 BT
A cross on SE. face of white sandstone ledge,
4 ft. above base, bears N.63½°W., 4 lks.
dist., marked thus:

WC	
B0	S18

80.00 True point for sec. cor. falls on SE. face of a 10 ft.
white sandstone rim ledge bearing NE. and SW., where
post could not be perpetuated. No cor set here.
Land, broken bench having a general E. and SE. exposure
into deep gulch to E. of line; drainage S.
Soil, rocky in form of ledges, boulders and outcrops,
with shallow clay; sandstone formation.
Timber, scattering to medium dense cedar and pinon.
Undergrowth, scattering sagebrush.
Fair grazing land.

N. 89°59' E., on random line bet. secs. 8 and 17, from
true cor. point.

40.00 Set temp. ¼ sec. cor:

80.06 Intersect N. and S. line, 14 lks. N. of the true point
for cor. of secs. 8-9-16 and 17, which is 1.40 chs.
S. of the witness cor.

Thence,

N. 89°55' W., on true line bet. secs. 8 and 17, from
true cor. point.

Over rough and broken land, through scattering timber
and short undergrowth; proceed across dry channel of
wash, in bottom of Monument Canyon, course S.30°W.

begins

- 1.70 Right bank of wash, 15 ft. high, vertical, bears NE. and SW.; asc. rocky SE. slope, 70 ft. to
- 32.60 Top of ascent on rocky S. slope; projects S. 2 chs. to base.; desc. W. slope, over ledgy, 50 ft. to
- 36.35 Wash, 30 lks. wide; 10 ft. deep, in bottom of gulch from N.30°W., course S. for about 15 chs. to junction with wash in Monument Canyon; asc. abruptly over ledgy and broken E. slope, 505 ft. to
- 38.60 W. brink of canyon, bears N.30°W. and SE.; thence over broken top of bench lands, gradually asc. 15 ft. to
- 36.35 Top of ridge on bench or mesa, bears N.30°W. and S.; gradually desc. W. slope.
- 40.03 On slight W. exposure, near top of ridge. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
- S8

$\frac{1}{4}$ —

S17

1922
- from which
- A pinon, 6 ins.diam., bears S.16 $\frac{1}{2}$ °W., 99 lks. dist., marked $\frac{1}{4}$ S17 BT
- A cedar, 14 ins.diam., bears N.12°W., 57 lks. dist., marked $\frac{1}{4}$ S8 BT
- Desc. broken W. slope, 190 ft. to
- 57.40 Draw, near head, course SW.; thence ascending over broken, nearly S. slope, 80 ft. to
- 80.06 The true point for cor. of secs. 7-8-17 and 18, which is 10 lks. dist. N. of the W.C.
- Land, rough and broken, being the breaks of Monument Canyon and bench or mesa lands; southern exposure and drainage.
- Soil, rocky, clay and some shallow sandy loam; surface strewn with huge black sandstone boulders on W. end of mile; sandstone formation.
- Timber, scattering cedar and pinon.
- Undergrowth, scattering sagebrush and greasewood.
- Fair grazing on portions of mile.

Subdivision of T. 37 S., R. 25 E.

Chains	
	West, on random line bet. secs. 7 and 18, from true cor. point.
78.16	Intersect W. bdy. of tp., 5 lks. S. of the cor. of secs. 7-12-13 and 18, which is an iron post, 2 ins. dia., recently set and described by me in survey notes of T. 37 S., R. 24 E.
	Thence, S. 89°58' E., on true line bet. secs. 7 and 18.
	Over rolling and broken land, through scattering to medium dense timber and short undergrowth; gradually asc. broken NW. exposure.
25.05	Small reservoir, 50 lks. diam., in bottom of shallow draw, draining W., bears N. 53½° W., about 7½ chs. dist.
38.16	On gradual W. slope, 60 ft. above sec. cor. Set an iron post, 3 ft. long, 1 in. dia., 20 ins. in the ground to bedrock, and in a mound of stone, for ¼ sec. cor., with brass cap marked <div style="text-align: center;"> S7 ¼ — S18 1922 </div>
	from which A cedar, 10 ins. diam., bears N. 62½° E., 28 lks. dist., marked ¼ S7 BT A cedar, 12 ins. diam., bears S. 6½° E., 50 lks. dist., marked ¼ S18 BT
	Continue gradual ascent over W. slope, 75 ft. to
53.50	Wide rolling-ridge, bears N. 20° E. and S. 20° W.; desc. broken and rocky SE. slope, 120 ft. to
78.16	The true point for cor. of secs. 7-8-17 and 18, which is 10 lks. dist. N. of the W.C. Land, rolling and broken; NW. and SE. exposures; drainage westerly into Montezuma and SE. into Monument Canyon. Soil, clay, gravelly and rocky: surface strewn with boulders on portions of mile. Timber, scattering to medium dense cedar and pinon. Undergrowth, short sagebrush and greasewood.

Subdivision of T. 37 S., R. 25 E.

Chains

N. $0^{\circ}61'8''$ E., bet. secs. 7 and 8, from true cor. point.

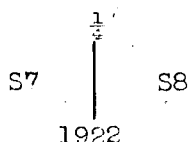
Over broken, rocky and rolling bench or mesa land, through scattering timber and short undergrowth; asc. broken and rocky S. slope, 260 ft. to

23.65 Rolling ridge, bears E., and W. for 5 chs. to summit of high point, thence SW.; gradually desc. N. slope to

26.70 Base of slope from ridge, thence over rolling land facing NW. and W., leaving neatly all rock, and ^{enter} more scattering timber, bearing E. and W.

40.00 On slight NE. exposure, 105 ft. below ridge.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked



from which

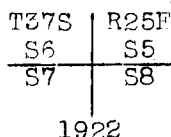
A cedar, 6 ins. diam., bears N. 12° E., 557 lks. dist., marked $\frac{1}{4}$ S8 BT

and dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist.

47.80 Wash; 10 lks. wide, 2 ft. deep, in swale, 15 ft. below $\frac{1}{4}$ sec. cor., drains. N. 80° W.; thence over SW. exposure.

80.00 On gentle SW. exposure; 50 ft. above the swale.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 5-6-7 and 8, with brass cap marked



from which

A cedar, 6 ins. diam., bears N. 8° E., 230 lks. dist., marked T37S R25E S5 BT

A cedar, 12 ins. diam., bears S. 20° E., 246 lks. dist., marked T37S R25E S8 BT

A cedar, 6 ins. diam., bears S. 35° W., 107 lks. dist., marked T37S R25E S7 BT

A cedar, 6 ins. diam., bears N. 45° W., 192 lks. dist., marked T37S R25E S6 BT

Southern portion of mile is broken S. exposure; soil,

Chains

mainly rocky with stiff, dark clay; surface stream with large black boulders; timber scattering to medium dense cedar and pinon, and undergrowth of short scattered sagebrush and greasewood: Remainder of mile is rolling bench or mesa top, general exposure to W.; soil, clay and gravelly loam, with few scattered rocks, covered with medium dense short sagebrush and greasewood and scattering cedar and pinon.

Drainage on S. portion, S. into Monument and N. portion N. into Montezuma Canyon.

S. $69^{\circ}55'$ E., on random line bet. secs. 5 and 8.

47.00 Set term. $\frac{1}{2}$ sec. cor.

60.04 Intersect N. and S. line, 31 lks. S. of the cor. of secs. 4-5-8 and 9.

Thence,

S. $69^{\circ}55'$ W.; on true line bet. secs. 5 and 8.

over broken and rolling land, through medium dense timber and short, scattering undergrowth: gently descending over broken land facing S. and SW., 40 ft. to

55.00 Shallow draw, course S. 30° E.; draw boxes and becomes deep gulch about 15 chs. to S.

Gradually asc. broken SE. slope, 90 ft. to

4.00 On a gradual rocky S. slope.

Cut cross (X) in bedrock, over which, set an iron post, 3 ft. long, 1 in. dia., 30 ins. in a large mound of stone, 5 ft. base, for $\frac{1}{2}$ sec. cor., with brass cap marked

S5

+

S8

1922

from which

A cedar, 12 ins. diam., bears S. 69° W., 56 lks. dist., marked $\frac{1}{2}$ S5 BT

A cedar, 14 ins. diam., bears N. 58° W., 10 lks. dist., marked $\frac{1}{2}$ S5 BT

Subdivision of T. 37 S., R. 25 E.

Chains	
53.00	Ridge on mesa, 50 ft. above $\frac{1}{4}$ sec. cor., bears N.10°E. and S.; gradually desc. W. exposure, entering more scattering timber, 25 ft. to
80.04	<p>The cor. of secs. 5-6-7 and 8.</p> <p>Note: Cor. stands on edge of a main trail bearing N.20°E. and S.20°W.</p> <p>Land, rolling and broken bench or mesa: S. and SW. exposure and drainage.</p> <p>Soil, rocky mixed with clay and gravel loam: some sandy loam on W. end of mile.</p> <p>Timber, medium dense to scattering cedar and pinon.</p> <p>Undergrowth, short scattering sagebrush and greasewood.</p> <p>Fair grazing land.</p>
40.00	<p>N. 89°58' W., on random line bet. secs. 6 and 7.</p> <p>Set temp. $\frac{1}{4}$ sec. cor.</p>
78.26	<p>Intersect W. bdy. of tp., 5 lks. S. of the cor. of secs. 1-6-7 and 12, which is an iron post, 2 ins. dia., recently set and described by me in survey notes of T. 37 S., R. 24 E.</p>
	<p>Thence,</p> <p>S. 89°56' E., on true line bet. secs. 6 and 7.</p> <p>Over rolling and broken land, through medium dense timber and short undergrowth.</p>
0.70	<p>Wash, 15 lks. wide, 2 ft. deep, in swale, drains S.30°W. gradually asc. 40 ft. to</p>
12.00	<p>Low spur, projects S.; desc. rolling E. slope, 85 ft. to</p>
27.90	<p>Draw, course S.30°E.; asc. SW. slope, 90 ft. to</p>
38.26	<p>On top of low spur, slopes off to S., bears N.</p> <p>Set an iron post, 3 ft. long, 1 in. dia., 16 ins. in ground to underlying rock, and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked</p>

S6

$\frac{1}{4}$

S7

1922

Subdivision of T. 37 S., R. 25 E.

Chains	
	from which 00.82
	A cedar, 6 ins. diam., bears S. $41\frac{1}{2}^{\circ}$ W., 27 lks. dist., marked $\frac{1}{4}$ S7 BT
	A cedar, 7 ins. diam., bears N. $46\frac{1}{2}^{\circ}$ W., 41 lks. dist., marked $\frac{1}{4}$ S6 BT
	Descend rocky SE. slope, 110 ft. to
60.30	Wash, 30 lks. wide, 3 ft. deep, in bottom of draw, course SW.; gradually asc. W. slope, entering scattering timber
78.26	The cor. of secs. 5-6-7 and 8, 65 ft. above draw. Land, rolling and broken; exposure and drainage SW. Soil, clay and gravelly loam and rocky; formation sandstone and trachyte. Timber, medium dense to scattering cedar and pinon. Undergrowth, medium growth of short sagebrush and greasewood. Fair grazing land.
	N. $0^{\circ}21'$ E., on random line bet. secs. 5 and 6.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.24	Intersect N. bdy. of the tp., 1 lk. W. of the cor. of secs. 5-6-31 and 32, which is an iron post, 2 ins. dia., recently set and described by me in survey notes of T. 36 S., R. 25 E.
	Thence, S. $0^{\circ}21'$ W., on true line bet. secs. 5 and 6. Over rolling land, having a general southern exposure, through scattering timber and short undergrowth; gradually descending S. and SE. exposures.
12.00	Leave all timber, bears SE. and SW.
37.30	Wash. 10 lks. wide, 2 feet deep, in swale, drains SE. for 2 chs. thence nearly S.; enter medium dense timber bears E. and W.; asc. 15 ft. to
39.24	On rocky NE. slope, 90 ft. below sec. cor. Set an iron post, 3 ft. long, 1 in. dia., 12 ins. in the ground to bedrock, and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked

Subdivision of T. 37 S., R. 25 E.

Chains

S6

S5

1922

from which

A cedar, 12 ins.diam., bears S.67 $\frac{1}{4}$ °E., 68 lks.
dist., marked $\frac{1}{4}$ S5 BT

A cedar, 8 ins.diam., bears S.21 $\frac{1}{4}$ °W., 35 lks.
dist., marked $\frac{1}{4}$ S6 BT

- 41.10 Top of raise on rocky E. slope, 10 ft. above $\frac{1}{2}$ sec. cor.
desc. SE. slope 40 ft. to
- 47.00 Base of rocky land, leave dense, enter scattering timber,
bearing NE. and SW.; continue over slight SE. slope.
- 57.50 A main wash, 25 lks. wide, 2 ft. deep, in ravine, 75 ft.
below raise, drains SW.; thence over rolling W. slope.
- 61.20 Short wash, 1 $\frac{1}{2}$ lks. wide, 2 ft. deep, drains W.
- 79.24 The cor. of secs. 5-6-7 and 8, 30 ft. above ravine.
Land, rolling: S. and SW. exposure and drainage.
Soil, clay and gravelly loams, mixed with rocks on
portions of the mile.
Timber, scattering and medium dense, on portions of mile.
Undergrowth, scattering to medium growth of short,
black sagebrush, greasewood and shadscale.
Fair to good grazing land.

Boundaries of T. 37 S., R. 25 E.

Latitudes, departures, and closing errors.

Lines designated	True bearings	Dist-ances	Latitudes		Departures	
			N.	S.	E.	W.
E. bdy. T37S R25E	N.0°4'E	40.00	Chs. 40.00	Chs.	Chs. .05	Chs.
" " " "	N.0°2'E	40.00	40.00		.02	
	N.0°1'W	39.96	39.96			.01
	N.0°1'E	39.94	39.94		.01	
	N.0°7'E	39.96	39.96		.08	
	N.0°3'E	39.95	39.95		.04	
	N.0°3'E	39.94	39.94		.03	
	N.0°2'E	39.94	39.94		.02	
	N.0°5'E	39.84	39.84		.06	
	N.0°6'E	39.90	39.90		.07	
	N.0°3'E	40.07	40.07		.04	
	N.0°15'E	39.92	39.92		.18	
N. bdy. T37S R25E	N.89°58'W	475.89	.28			475.89
" " " "	West	2.87				2.87
W. bdy. T37S R25E	South	479.18		479.18		
S. bdy. T37S R25E	East	477.96			477.96	
Convergency						.56
Totals			479.70	479.18	478.56	479.33
			479.18			478.56
Error in latitude & departure			0.52			0.77

The topography of this township conforms to the mesa canyon country which is typical of this section of the country. Is principally rough, broken mesas, benches and rims, cut by deep canyons and gulches, the mesas rising from a few hundred feet to nearly a thousand feet above canyon bottoms. The general exposure and drainage is southwesterly into Montezuma Canyon, which is the main canyon of the country, lying immediately to the west of this township and draining S. The greater part of the township is drained by Monument Canyon, a deep, rugged, sinuous canyon having a general southwesterly course, entering the township in sec. 3 and leaving in sec. 30; joins Montezuma Canyon about one half mile to W. of the tp. in sec. 36. And by its tributaries, the main ones of which are Lake Canyon from the NE. entering in sec. 10, and a deep canyon (name unknown) entering in sec. 16, from the E.

In the eastern portion of the township there are points entering from the high (upper) mesa country to the E., but the major portion of this township lies below the level of the upper mesa, and is in the breaks of the Montezuma.

The soil is principally rocky in form of boulders, ledges and outcrops; stiff, dark clay and shallow sandy loam; can be classed from 2nd to 4th rates.

Under the mesa rims the surface is strewn with large boulders, which have broken off from the rim ledges.

The township is covered with a medium growth of scrub cedar and pinon pine timber, being heavier on the mesa tops and on the northeastern portion, becoming scattering along the south and west boundaries.

Scattering, short undergrowth of sagebrush and greasewood is found throughout.

There is very little permanent water in the township.

Monument Canyon carries water only in the early spring

General Description of T. 37 S., R. 25 E.

and flood season. The only water found was a few small seeps or springs located as follows: A small seep in bottom of Monument Canyon, in NW $\frac{1}{4}$ of NW $\frac{1}{4}$ of sec. 16; A small spring of fairly good water in bottom of Monument Canyon, in SE $\frac{1}{4}$ of SW $\frac{1}{4}$ of sec. 19, flows for about 200 ft. before sinking: A small drip seep in bottom of gulch, in NE $\frac{1}{4}$ of NW $\frac{1}{4}$ of sec. 4: A small seep in Lake Canyon, in SE $\frac{1}{4}$ of SW $\frac{1}{4}$ of sec. 10: A small spring of alkaline water, in NW $\frac{1}{4}$ of SE $\frac{1}{4}$ of sec. 27.

The township is suitable only for grazing, there is a fair growth of grass throughout. It is being used mainly as a winter range for stock.

There are no settlers in the township. And the only improvements consist of a corral located in SE $\frac{1}{4}$ of SW $\frac{1}{4}$ of sec. 19, and a small cabin made of poles, about 6x8 ft. located in NW $\frac{1}{4}$ of SE $\frac{1}{4}$ of sec. 27.

No indications of mineral, oil or coal were noticed in the township.

Andrew Nelson,
U.S. Cadastral Engineer.

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CERTIFICATE OF UNITED STATES SURVEYOR

I, ANDREW NELSON, U.S. CADASTRAL ENGINEER, hereby certify upon honor that I am
Supplemental
of special instructions received from the U. S. Surveyor General for Utah
bearing date of the 7th day of August, 19 22 I have well, faithfully, and
in my own proper person, and in strict conformity with said instructions, the Manual of Surveying In-
structions, and the laws of the United States, surveyed all those parts or portions of Retracement of
East Boundary, and survey of Subdivisions of
T. 37 S., R. 25 E.

of the Salt Lake
Base and Meridian, in the State of Utah, which are represented
the foregoing field notes as having been executed by me, and under my direction, and that all the corners
said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instr-
uctions, and the special written instructions of the U. S. Surveyor General for Utah
and in the specific manner described in the field notes, and that the foregoing are the original field notes
such survey.

Salt Lake City, Utah
March 17, 1923.

Andrew Nelson
U.S. Cadastral Engineer

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,
July 28, 1923

The foregoing field notes of the survey of Retracement of East Boundary and
survey of Subdivision of Township 37 South, Range 25 East
of the Salt Lake Base and Meridian

executed by Andrew Nelson, U.S. Cadastral Engineer
supplemental

under his special instructions dated August 7, 1922, having been
critically examined, and the necessary corrections and explanations made, the said field notes, and the survey
they describe, are hereby approved.

[Signature]
U. S. Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in
has been correctly copied from the original notes on file in this office.

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Orig.

1-575

7.

BOOK A-465



FIELD NOTES

OF THE SURVEY OF THE

SOUTH AND EAST BOUNDARIES

AND

SUBDIVISION

OF

T. 33 S., R. 12 E.

Of the Salt Lake Base and Meridian,

In the State of Utah

EXECUTED BY

ELLIOT BIRD

AND

ROBERT C. YUNDT

and U.S. Transitman

In the capacity of U.S. Surveyor, under instructions dated February 14, 1923,

issued by the United States Surveyor General to govern surveys included in

Group No. 135, which were approved by the Commissioner of the General Land

Office, February 24, 1923, and Assignment Instruction dated

May 14, 1923.

Survey commenced May 30, 1923.

Survey completed June 30, 1923.

BOOK A-465

INDEX DIAGRAM.

Township 33 South, Range 12 East.

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2547

BOOK A-465

4-679 b

INDEX DIAGRAM.

Township 32 S, Range 12 E

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T. 33 S., R. 12 E.

DATE DIAGRAM OF T. 33 S., R. 12 E.

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30 6-8-23 6-13-23	29 6-12-23 6-14-23	28 6-22-23 6-23-23	27 6-12-23 6-12-23	26 6-12-23 6-7-23	25 6-12-23 6-7-23
31 5-31-23 6-7-23	32 6-1-23 6-9-23	33 6-2-23 6-11-23	34 6-4-23 6-11-23	35 6-5-23 6-11-23	36 6-6-23 6-11-23
6-11-23	6-11-23	6-12-23	6-12-23 6-5-23	6-14-23	6-14-23

Lines dated in black were surveyed by Elliot Bird,
U.S. Surveyor.

Lines dated in red were surveyed by Robert C Yundt,
U.S. Transitleman.

Survey commenced May 30, 1923 and executed with Young and Sons light mountain transits Nos. 8531 and 8336. Instruments were equipped with Smith solar attachments and full vertical circles. The horizontal limbs are provided with two double verniers, placed opposite to each other and reading to single minutes of arc, which is also the least count of the verniers of the latitude arcs, declination arcs and vertical circles.

The instruments were approved for use on this survey by the Assistant Supervisor of Surveys for district No. 6 conditional upon satisfactory field tests in assignment instructions dated May 14, 1923.

I examine the adjustments of the instruments and correct the level and collimation error then, to test the solar apparatus by comparing their indications resulting from solar observations made during a.m. and p.m. hours with a meridian determined by observations made on Polaris, I proceed as follows. May 30, 1923, in camp near the $\frac{1}{4}$ sec. cor. of secs. 5 and 6, T. 33 S., R. 12 E., S. L. B. and Meridian Utah, approximate latitude $37^{\circ}58'30''$ N., and longitude $110^{\circ}40'$ W., at 3h 2m a.m. l. m. t., I observe Polaris at eastern elongation with instrument No. 8531, making four observations, two each with the telescope in direct and reversed positions, and mark the mean point in the line thus determined, on a peg driven firmly in the ground, 12 chs. N.

Azimuth of Polaris at eastern elongation = $1^{\circ}24'36''$.

I lay off the azimuth of Polaris, $1^{\circ}24'30''$, to the west, and mark the meridian thus determined, by a tack in a peg driven firmly in the ground, 12 chs. N.

At 8h 30m a.m., app. t., with both instruments in the meridian, we set off $37^{\circ}58'30''$ N., on the latitude arcs; $21^{\circ}41'30''$ N., on the declination arcs; and determine a meridian with the solars which we find to agree with the true meridian.

At app. noon, with instrument No. 8531, I make a meridian observation of the sun for time and latitude, observing simultaneously the altitude of the sun's lower limb and the transit of the sun's west limb, reversing the telescope and observing simultaneously the altitude of the sun's upper limb and the transit of the sun's east limb.

Mean observed altitude = $73^{\circ}44'$
 Reduced latitude = $37^{\circ}58'30''$ ✓
 Mean watch time of observation = 12h 20m 28s
 Watch fast of local mean time = 0h 23m 14s ✓

At app. noon, with the latitude arcs unchanged, we observe the sun on the meridian; the resulting readings of the declination arcs is $21^{\circ}42'30''$ N., which agrees with the computed declination of the sun.

At 3h 30m p.m., app. t., with the latitude arcs unchanged, we set off $21^{\circ}44'$ N., on the declination arcs; and determine a meridian with the solars which we find to agree with the true meridian.

As all the solar observation during the usual hours of solar work come within $1'30''$ of the true meridian, we conclude that the adjustments of the instruments are satisfactory.

Both instruments were kept in good adjustment through out the progress of this survey, frequent tests being made on the meridian determined by observations made on Polaris.

At the completion of the survey of this township, we make a final test of the instruments as follows.

June 30, 1923: with both instruments in the meridian determined by observations on Polaris as described on page 2 of these notes, at 8h 30m a.m. app. t., we set off $37^{\circ}58'30''$ N., on the latitude arcs; $23^{\circ}13'30''$ N., on the declination arcs; and determine a meridian with the solars which we find to agree with the true meridian.

At app. noon, with the latitude arcs unchanged, we observe the sun on the meridian; the resulting readings of the declination arcs is $23^{\circ}14'$ N., which agrees with the computed declination of the sun.

At 3h 30m p.m. app. t., with the latitude arcs unchanged, we set off $23^{\circ}12'$ N., on the declination arcs; and determine a meridian with the solars which we find to agree with the true meridian.

As all the solar observations made during the usual hours

T. 33 S., R. 12 E.

of solar work come within 1'30" of the true meridian, we conclude that the adjustments of the instruments are satisfactory.

MEASUREMENTS.

Unless otherwise specified all measurements are made with Lallie steel tapes 5 chains in length compared with a Lufkin standard steel tape and found correct. The measurements are made on the slope, the vertical angle determined, and the slope measurements properly reduced to true horizontal distances.

Note: The true positions for a portion of the corners in the south and east part of this township, fall on sloping sandstone surfacerock where it is impossible to set the corners in the regular manner prescribed, therefore, at these points the iron posts were cut off so as to be 20 inches in length and set in holes drilled 16 inches in the solid sandstone. In all cases where the corners were set in these drilled holes, 1 inch iron posts were used for the corners as no drills were available at the time of the survey to drill holes for the 2 and 3 inch posts.

SURVEY OF THE EAST BOUNDARY OF T. 33 S., R. 12 E.

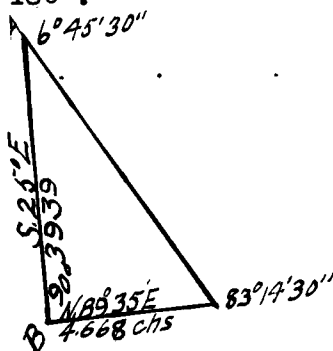
chains

From the cor. of Ts. 32 and 33 S., Rs. 12 and 13 E., which is an iron post, 3 ins. diam., extending 9 ins. above ground, firmly set, with brass cap marked, and witnessed as described in the notes of the survey of T. 32 S., R. 12 E.

South, on random line along the E. bdy. of the township, setting temporary $\frac{1}{4}$ sec. and sec. cors. at intervals of 40.00 chs.

358.53 Left flag for triangulation.

362.20 The W. breaks of Trachyte Creek make chaining to the S. from this point impracticable, I therefore determine the distance by triangulation as follows. Return to the flag at the 358.53 chs. point which I designate "A" and as it is impossible to project my line S. from this point beyond the 362.77 chs. point, I erect flag "B", S. $0^{\circ}25'$ E., from flag "A". From flag "B", run a base line N. $83^{\circ}35'$ E., 4.668 chs. dist., from which point flag "A" subtends an angle of $83^{\circ}14'30''$. Impossible to obtain longer base line on account of the breaks of canyon. All angles by three repetitions with error of $0'20''$ balanced to 180° .



Distance on line =
Distance by triangulation = southing of
39.33 chs. and easting of 29 lks.

358.53 chs.

39.39 chs.

397.92 chs.

Thence, W., 29 lks. to

397.92 Point on true random line.

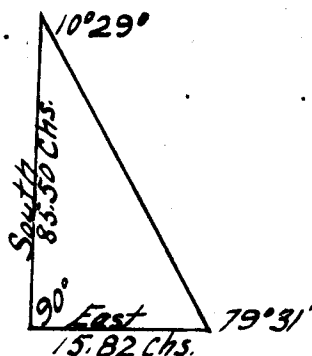
400.00 Left temporary point for the cor. of secs. 25, 30, 31, and 36.

Inaccessible ledges make chaining to the S. of this point impossible, I therefore determine the dist. by triangulation as follows. Erect flag "A" on line S., and from

SURVEY OF THE EAST BOUNDARY OF T. 33 S., R. 12 E.

Chains

flag "A", measure a base line E., 15.82 chs. dist., from which point the flag left at the 358.53 chs. point subtends an angle of $79^{\circ}31'00''$. Impossible to see any points left on line S. of the 358.83 chs. point and to obtain a longer base. All angles by three repetitions with error of $0'20''$ balanced to 180° .



Distance on line =

Distance by triangulation =

Distance by return measurement =

358.53 chs.

85.50 chs. ✓

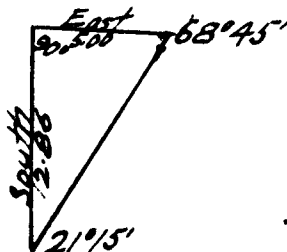
444.03 chs.

.82 chs.

443.14 chs.

443.14 Left temporary point; impossible to reach point for the $\frac{1}{4}$ sec. cor. on account of inaccessible ledges.

461.50 The brink of the N. breaks of Trail Canyon over which I am unable to chain, I therefore determine the distance by triangulation as follows. Erect flag "A" at this point and flag "B" on line S. From flag "A", measure a base line E., 5.00 chs. dist., from which point, flag "B" subtends an angle of $68^{\circ}45'$. All angles by three repetitions with error of $0'20''$ balanced to 180° .



Distance on line =

Distance by triangulation =

461.50 chs.

12.86 chs. ✓

474.36 chs.

474.36 To point of triangulation.

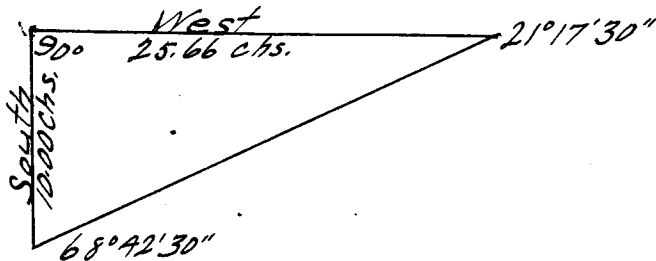
480.00 Left temporary point for the cor. of Ts. 33. and 34 S.,
Rs. 12 and 13 E.

SURVEY OF THE NORTH BOUNDARY OF T. 33 S., R. 12 E.

From the temporary cor. of Ts. 33 and 34 S., Rs. 12 and 13 E.

West, on random line along the S. bdy. of the township setting temporary $\frac{1}{4}$ sec. and sec. cors. at intervals of 40.00 chs.

32.48 Brink of sandstone gulch over which I am unable to chain, I therefore determine the distance by triangulation as follows. Erect flag "A" at this point and flag "B" on line W. From flag "B" measure a base line, 10.00 chs. S., from which point, flag "A" subtends an angle of $68^{\circ}42'30''$. All angles by three repetitions with error of $0'20''$ balanced to 180° .



Distance on line=	32.48 chs.
Distance by triangulation=	25.66 chs.
	<u>58.14 chs.</u>

58.14 To point of triangulation.

275.00 Left temporary point.

276.44 Base of inaccessible sandstone butte over which I am unable to chain, It being impossible to offset from this point on account of high sandstone point which projects NE. from the butte, I return to the 275.00 chs. point and offset as follows.

North, 6.52 chs.
West, 31.00 chs.
South, 6.52 chs. to,

306.00 Point on true random line, thence W. on random line.

479.00 Intersect the E. bdy. of T. 34 S., R. 11 E., 69 lks. S. of the cor. of Ts. 33 and 34 S., Rs. 11 and 12 E., which is an iron post, 3 ins. diam., firmly set, extending 6 ins. above a mound of stone, with brass cap marked and witnessed as described in the notes of the survey of T. 33 S., R. 11 E.,

Thence,

SURVEY OF THE EAST BOUNDARY OF T. 33 S., R. 12 E.

Chains

From the cor. of Ts. 32 and 33 S., Rs. 12 and 13 E.
South on true line bet. secs. 1 and 6.

Ascend gradually over rolling land through scattering undergrowth.

.80 Small spur, 10 ft. above cor., projects S. 70° W.;
descend gradually.

37.50 Draw, 320 ft. below spur, drains NW.; ascend gradually.

39.31 On rolling land, 10 ft. above draw.

Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the
ground on bedrock and in a large mound of stone, for
 $\frac{1}{4}$ sec. cor., with brass cap marked..

$\frac{1}{4}$
S1 | S6
1923

Deposit a trachyte at base of post, size 6 x 6 x 6 ins.,
marked with a cross (X).
No other accessories available and pits impracticable.

60.50 Sandstone spur, 20 ft. above the $\frac{1}{4}$ sec. cor., projects
SW.; descend gradually along SE. slope.

79.31 On rolling land, 90 ft. below spur.

Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the
ground on bedrock and in a large mound of stone, for
cor. of secs. 1, 6, 7, and 12, with brass cap marked.

T33S
R12E R13E
S1 | S6
S12 | S7
1923

Deposit a sandstone, 6 x 8 x 4 ins., alongside post,
marked with a cross (X).

No other accessories available and pits impracticable.

Land, rolling with a general southwesterly exposure and
drainage.

Soil, shallow sandy loam; 2nd rate.

Undergrowth, scattering shadscale, sage, and rabbit brush.

No timber.

Good grazing.

SURVEY OF THE ~~WEST~~ BOUNDARY OF T. 33 S., R. 12 E.

Chains

South, bet. secs. 7 and 12.

Descend gradually over rolling land through scattering timber and undergrowth.

17.20 Draw, 20 ft. below cor., drains SW.; continue gradual descent.

26.60 Enter broken sandstone surfacerock, bears E. and W.

28.20 Brink of abrupt descent over sandstone ledges, bears NE. and SW.

37.50 Sandstone draw, 150 ft. below last draw, drains SW.; ascend abruptly over broken sandstone ledges.

40.00 On sandstone surfacerock, 50 ft. above draw.

Set an iron post, 20 ins. long, 1 in. diam., 16 ins. in a hole drilled in the solid sandstone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$
 S12 | S7
 1923

No accessories available for cor.

43.80 Leave ledges; bears NE. and SW. at top of abrupt ascent; thence ascend gradually over rolling sand hills; broken in places by outcroppings of sandstone.

80.00 On rolling land, 80 ft. above the $\frac{1}{4}$ sec. cor.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 7, 12, 13, and 18, with brass cap marked.

T33S
 R12E R13E
 S12 | S7
 S13 | S18
 1923

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

No suitable bearing trees available.

Land, rolling with a general southwesterly exposure and drainage.

Soil, shallow sandy loam; 2nd rate.

Undergrowth, scattering shadscale and black brush.

Timber, scattering juniper. Fair grazing.

SURVEY OF THE EAST BOUNDARY OF T. 33 S., R. 12 E.

Chains

South, bet. secs. 13 and 18.

Ascend gradually over rolling land through scattering undergrowth.

20.50 Ridge, 50 ft. above cor., bears NE. and SW.; descend gradually along rolling SE. slope.

40.00 On sandstone surfacerock, 240 ft. below ridge.
Set an iron post, 20 ins. long, 1 in. diam., in a hole drilled 16 ins. in the solid sandstone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

S13	S18
-----	-----

1923

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.65.60 Sandstone draw, 350 ft. below the $\frac{1}{4}$ sec. cor., drains SW.; ascend abruptly.

78.30 Sandstone spur, 200 ft. above draw, projects SW.; descend abruptly.

80.00 On sandstone surfacerock, 40 ft. below spur.
Set an iron post, 20 ins. long, 1 in. diam., 16 ins. in a hole drilled in the solid sandstone, for cor. of secs. 13, 18, 19, and 24, with brass cap marked.

T33S	
S13	S18

S24	S19
-----	-----

1923

No suitable accessories available.

Land, rolling sand hills on N. portion of mile, broken sandstone surfacerock on S. portion.

Soil, shallow sandy loam; 2nd rate.

Undergrowth, scattering shadscale and blackbrush.

No timber.

Fair grazing.

SURVEY OF THE EAST BOUNDARY OF T. 33 S., R. 12 E.

South, bet. secs. 19 and 24.

Descend gradually over broken land through scattering undergrowth.

15.20 Sandstone gulch, 260 ft. below cor., drains S. 15° W.; continue gradual descent.

26.50 Draw, 60 ft. below gulch, drains SW.; ascend gradually.

29.80 Spur, 50 ft. above draw, projects NW.; descend gradually.

37.00 Sandstone draw, 60 ft. below spur, drains SW.; ascend gradually.

39.40 Sandstone spur, 40 ft. above draw, projects E.; descend gradually.

40.00 On sandstone surfacerock, 30 ft. below spur.

Set an iron post, 20 ins. long, 1 in. diam., 16 ins. in a hole drilled in the solid sandstone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$
S24 | S19
1923

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

49.50 Small intermittent stream of good water, 2 lks. wide, 1 in. deep, in draw, 150 ft. below the $\frac{1}{4}$ sec. cor., drains SW.; scattering cotton wood trees along bottom of draw; ascend abruptly over broken NW. slope.

50.50 Perpendicular sandstone ledge, 100 ft. high, bears SW. and NE.

51.00 Sandstone spur, 130 ft. above draw, projects S. 60° W.; descend gradually.

58.50 Descent becomes abrupt, bears E. and W.

71.80 Draw, 70 ft. below spur, drains SW.; ascend broken NW. slope.

75.40 Sandstone spur, 80 ft. above draw, projects SW.; descend gradually.

80.00 On broken sandstone surfacerock, 30 ft. below spur.

Set an iron post, 20 ins. long, 1 in. diam., 16 ins. in a hole drilled in the solid sandstone, for cor. of secs. 19, 24, 25, and 30, with brass cap marked.

SURVEY OF THE EAST BOUNDARY OF T. 33 S., R. 12 E.

Chains

T33S
R12E R13E
S24 S19
S25 S30
1923

No accessories available.

Land, broken by sandstone ledges with a general south-
westerly exposure and drainage.

Soil, shallow sandy loam in bottom of draw; 2nd rate.

Undergrowth, scattering shadscale, black and rabbit brush.

Timber, scattering cotton-wood trees in bottom of draw at
the 49.50 chs. point.

Fair grazing.

South; bet. secs. 25 and 30.

Over broken sandstone ledges through scattering undergrowth.

7.70 Top of sandstone butte, 50 ft. high.

11.20 Top of sandstone butte, 50 ft. high; continue over broken
sandstone.

24.00 Top of abrupt descent over sandstone ledges into Trachyte
Canyon, bears SE. and NW.

35.00 Trachyte Creek, stream of good water, 5 lks. wide, 3 ins.
deep, in canyon, 250 ft. below sec. cor., drains SE.;
ascend abruptly over broken W. breaks of canyon.

39.22 To point of triangulation.

40.00 On sloping sandstone surfacerock, 50 ft. above creek.
Set an iron post, 20 ins. long, 1 in. diam., 16 ins. in
a hole drilled in the solid sandstone, for $\frac{1}{4}$ sec. cor.,
with brass cap marked.

$\frac{1}{4}$
S25 S30
1923

No accessories available.

42.89 Top of sandstone ledge, 40 ft. above the $\frac{1}{4}$ sec. cor.,
bears S. 20° W. and N. 20° E.; thence by triangulation
over a series of broken sandstone ledges which forms the
W. breaks of Trachyte Creek.

SURVEY OF THE EAST BOUNDARY OF T. 33 S., R. 12 E.

38.61 To point on line, 29 lks. W. of triangulation point.
 80.00 On broken sandstone surfacerock.
 Set an iron post, 20 ins. long, 1 in. diam., 16 ins. in
 a hole drilled in the solid sandstone, for cor. of secs.
 25, 30, 31 and 36, with brass cap marked.

T33S	
R12E	R13E
S25	S30

S36	S31
-----	-----

1323

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 Land, broken by sandstone ledges with a general easterly
 exposure and drainage.

Soil, shallow sandy loam in the depressions of the sand-
 stone surfacerock; 2nd rate.

Undergrowth, scattering shadscale and blackbrush.

No timber.

Poor grazing.

South, bet. secs. 31 and 36.

By triangulation over a series of sandstone ledges which
 forms the W. breaks of Trachyte Creek, giving approx-
 imate topography.

20.00 Small stream of good water, 2 lks. wide, 2 ins. deep, in
 box canyon, 350 ft. below sec. cor., drains E.; thence
 ascend abruptly over broken S. breaks of canyon.

40.00 Point for the $\frac{1}{4}$ sec. cor. falls on inaccessible ledges.

42.45 On broken sandstone surfacerock, 350 ft. above canyon.

Set an iron post, 20 ins. long, 1 in. diam., 16 ins. in
 a hole drilled in the solid sandstone, for witness cor.
 to the $\frac{1}{4}$ sec. cor., with brass cap marked.

W C	
$\frac{1}{4}$	
S36	S31
1323	

No accessories available.

44.72 To point of triangulation,

SURVEY OF THE NORTH BOUNDARY OF T. 33 S., R. 12 E.

Chains

Thence over broken sandstone surfacerock.

62.19 To point of triangulation at top of N. breaks of Trail Canyon, bears E. and W.; thence by triangulation giving approximate topography.

70.00 Bottom of Trail Canyon, 300 ft. below top of N. breaks, drains E.; ascend abruptly over broken S. breaks of canyon.

75.05 To point of triangulation at top of S. breaks of Trail Canyon, 300 ft. above bottom, bears E. and W.; descend gradually over rolling sand hills.

80.00 On rolling land, 30 ft. below top of S. breaks of Trail Canyon.

Set an iron post, 3 ft. long, 3 ins. diam., 27 ins. in the ground, for cor. of Ts. 33 and 34 S., Rs. 12 and 13 E., with brass cap marked.

T33S	
R12E	R13E
S36	S31
S1	
S6	
T34S	
1923	

Deposit a sandstone, 12 x 10 x 6 ins., at base of post, marked with a cross (X).

No other accessories available and pits impracticable.

Land, broken by sandstone ledges with a general easterly exposure and drainage.

Soil, shallow sandy loam in the low spots of the sandstone surfacerock; 2nd rate.

Undergrowth, scattering shadscale and blackbrush.

No timber.

Poor grazing.

SURVEY OF THE SOUTH BOUNDARY OF T. 33 S., R. 12 E.

From the cor. of Ts. 33 and 34 S., Rs. 12 and 13 E.

West, on true line bet. secs. 1 and 36.

Ascend gradually over broken land through scattering undergrowth.

SURVEY OF THE SOUTH BOUNDARY OF T. 33 S., R. 12 E.

Chains	
5.60	Base of abrupt ascent over broken sandstone surfacerock, bears NE. and SW.
18.00	Sandstone spur, 220 ft. above cor., projects N. 70° E.; descend gradually over broken sandstone surfacerock.
32.48	To point of triangulation at top of abrupt descent over broken sandstone ledges, bears N. and S.; as the true point for the $\frac{1}{4}$ sec. cor., will fall on inaccessible ledges; at this point, 150 ft. below spur, on sandstone surfacerock, mark a cross (X), over which: Set an iron post, 3 ft. long, 1 in. diam., in a large mound of stone, for witness cor. to the $\frac{1}{4}$ sec. cor., with brass cap marked.
	<div style="text-align: center;"> $\begin{array}{r} \text{S36} \\ \text{WC } \frac{1}{4} \text{ ---} \\ \text{S1} \\ 1923 \end{array}$ </div>
	Thence, by triangulation, giving approximate topography.
40.00	Point for the $\frac{1}{4}$ sec. cor. falls on inaccessible ledges.
48.00	Sandstone gulch, 250 ft. below the witness $\frac{1}{4}$ sec. cor., drains N. 20° E.; ascend abruptly over broken W. breaks of gulch.
58.14	To point of triangulation and top of abrupt ascent from gulch, 280 ft. above bottom, bears SE. and NW.; thence ascend gradually over rolling land.
78.00	Low ridge, 100 ft. above top of abrupt ascent, bears S. 80° E. and N. 80° W.; descend gradually along gentle SW. slope of ridge.
80.00	On gentle SW. slope of ridge, 20 ft. below top. Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 1, 2, 35 and 36, with brass cap marked.
	<div style="text-align: center;"> $\begin{array}{cc} \text{T33S} & \text{R12E} \\ \text{S35} & \text{S36} \\ \hline \text{S2} & \text{S1} \\ \text{T34S} & \\ 1923 & \end{array}$ </div>
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

SURVEY OF THE SOUTH BOUNDARY OF T. 33 S., R. 12 E.

Chain

Land, broken by sandstone breaks with a general north-
 erly exposure and drainage.

Soil, shallow sandy loam in the bottom of the draw; 2nd
 rate.

Undergrowth, scattering shadscale and blackbrush.

No timber.

Poor grazing.

West, bet. secs. 2 and 34.

Descend gradually along gentle S. slope of ridge, near
 top, through scattering undergrowth.

47.00 On gentle S. slope, 50 ft. below sec. cor.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the
 ground, for $\frac{1}{2}$ sec. cor., with brass cap marked.

$$\begin{array}{r}
 135 \\
 \hline
 52
 \end{array}$$

1283

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

48.00 Sandy ridge, 20 ft. below the $\frac{1}{2}$ sec. cor., bears N. 80° E.
 and 1. 8' W.; descend gradually.

49.00 Wash, 50 lbs. wide, 10 ft. deep, drains N. 20° W.

50.00 On gentle NE. slope, 80 ft. below ridge.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the
 ground, for cor. of secs. 2, 3, 34, and 36, with brass
 cap marked.

1334	1128
134	136
28	52
1342	
1228	

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Land, rolling sand hills with a general southerly exposure
 and drainage.

Soil, shallow sandy loam; 2nd rate.

Undergrowth, scattering shadscale and blackbrush.

No timber.

Fair grazing.

SURVEY OF THE SOUTH BOUNDARY OF T. 33 S., R. 12 E.

West, bet. secs. 3 and 34.

Descend gradually over rolling land through scattering undergrowth.

17.00 Trail Canyon, 80 ft. below cor., drains N. 70° E.; enter scattering cedar and pinon timber, bears NE. and SW.; thence ascend abruptly over broken sandstone ledges.

26.00 Spur, 100 ft. above canyon, projects NE.; descend gradually.

34.20 Gulch, 70 ft. below spur, drains NE.; ascend abruptly.

40.00 On broken E. slope, 100 ft. above gulch.

Set an iron post, 3 ft. long, 1 in. diam., 4 ins. in the ground on bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$$\begin{array}{r} S34 \\ \frac{1}{4} \\ \hline S3 \end{array}$$

1923

Deposit a sandstone at base of post, size 8 x 8 x 6 ins., marked with a cross (X).

No suitable bearing trees available.

42.50 Sandstone spur, 60 ft. above the $\frac{1}{4}$ sec. cor., projects SE.; descend gradually.

51.00 Gulch, 60 ft. below spur, drains SE.; ascend abruptly.

69.00 Spur, 200 ft. above gulch, projects SE.; descend gradually.

77.00 Gulch, 80 ft. below spur, drains S.; ascend abruptly.

79.00 Sandstone spur, 80 ft. above gulch, projects S.; descend abruptly over sandstone ledge.

80.00 True point for the sec. cor. falls on inaccessible W. breaks of ledge.

81.15 At base of ledge, bears N. and S., 80 ft. below spur; on sandstone surface rock, mark a cross (X), over which Set an iron post, 3 ft. long, 2 ins. diam., in a large mound of stone, for witness cor. to the cor. of secs, 3, 4, 33, and 34, with brass cap marked.

(X) above a dry stream

SURVEY OF THE SOUTH BOUNDARY OF T. 33 S., R. 12 E.

Chains

T33S	R12E	
S33	S34	WC
S4	S3	
T34S		
1923		

No suitable bearing trees available.

Land, broken by sandstone ledges with a general southeasterly exposure and drainage.

Soil, shallow sandy loam; 2nd rate.

Undergrowth, scattering shadscale and blackbrush.

Timber, scattering juniper and pinon on W. portion of mile.

Poor grazing.

West, bet. secs. 4 and 33, counting distances from the true point for cor. of secs. 3, 4, 33, and 34.

Ascend gradually over broken sandstone ledges through scattering timber and undergrowth.

1.15 The Witness cor.

4.50 Sandstone spur, 60 ft. above cor., projects SE.; descend gradually.

14.50 Sandstone draw, 60 ft. below spur, drains SE.; ascend abruptly.

23.00 Top of sandstone rimrock, 160 ft. above draw, bears N. and S.; thence ascend gradually.

35.00 To point of offset.

36.44 Base of high sandstone butte, 150 ft. above sandstone rimrock, bears N. and S., top of butte is about 250 ft. above base; as the true point for the $\frac{1}{4}$ sec. cor. will fall on the inaccessible top of butte, at this point; Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground on bedrock and in a large mound of stone, for witness cor. to the $\frac{1}{4}$ sec. cor., with brass cap marked.

WC	$\frac{1}{4}$	S33
		S4

1923

Deposit a sandstone, 10 x 8 x 8 ins. at base of post, marked with a cross (X).

SURVEY OF THE SOUTH BOUNDARY OF T. 33 S., R. 12 E.

No suitable bearing trees available.

Thence, return to the 35.00 chs. point and offset as follows.

North, 6.52 chs.
West, 31.00 chs.
South, 6.52 chs. to

66.00 Point on true line at base of W. side of butte, bears N. and S.; thence ascend abruptly over steep NE. slope of ridge.

80.00 On steep NE. slope, 150 ft. above base of butte.

Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the ground on bedrock and in a large mound of stone, for cor. of secs. 4, 5, 32, and 33, with brass cap marked.

T33S	R12E
S32	S33
S5	S4
T34S	
1923	

From which,

A pinon, 10 ins. diam., bears N. 4° E., 207 lks. dist., marked T33S R12E S33 BT.

A pinon, 10 ins. diam., bears S. 20° E., 36 lks. dist., marked T34S R12E S4 BT.

No other suitable bearing trees available.

Land, broken by sandstone ledges with a general northerly exposure and drainage.

Soil, shallow sandy loam, 2nd rate.

Undergrowth, scattering shadscale and blackbrush.

Timber, scattering juniper and pinon.

Poor grazing.

West, bet. secs. 5 and 32.

Ascend gradually over broken land through scattering undergrowth and timber.

14.50 Draw, 40 ft. above cor., drains NE.; ascend abruptly over broken NE. slope of ridge.

26.20 Top of rimrock and ridge, 250 ft. above draw, bears N. and S.; descend abruptly.

SURVEY OF THE SOUTH BOUNDARY OF T. 33 S., R. 12

Chains

- 39.80 Draw, 200 ft. below ridge, drains SE.; ascend gradually.
 40.00 On broken E. slope, 20 ft. above draw.
 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground on bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

	S32
$\frac{1}{4}$	—
	S5

1923

From which,

A juniper, 14 ins. diam., bears S. 80° W., 113 lks. dist., marked $\frac{1}{4}$ S5 BT.

A juniper, 12 ins. diam., bears N. 71° W., 129 lks. dist., marked $\frac{1}{4}$ S32 BT.

- 50.30 Sandstone spur, 70 ft. above the $\frac{1}{4}$ sec. cor., projects S.; descend gradually.

53.50 Draw, 60 ft. below spur, drains SE.; ascend gradually.

59.00 Spur, 60 ft. above draw, projects SE.; descend gradually.

76.80 Draw, 120 ft. below spur, drains SE.; ascend gradually.

80.00 On broken NE. slope, 40 ft. above draw.

Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground on bedrock and in a large mound of stone, for cor. of secs. 5, 6, 31, and 32, with brass cap marked.

T33S	R12E
S31	S32
S6	S5
T34S	
1923	

From which,

A juniper, 10 ins. diam., bears S. 50° W., 205 lks. dist., marked T34S R12E S6 BT.

No other suitable bearing trees available.

Land, broken by sandstone ledges with a general northeasterly and southeasterly exposure and drainage.

Soil, shallow rocky, sandy loam; 2nd rate.

Undergrowth, scattering shadscale and blackbrush.

Timber, scattering juniper and pinon.

Fair grazing.

SURVEY OF THE SOUTH BOUNDARY OF T. 33 S., R. 12 E.

West, bet. secs. 6 and 31..

Ascend gradually over broken land through scattering undergrowth and timber..

1.00 Spur, 20 ft. above cor., projects SE.; descend gradually.

2.00 Gulch, 50 ft. below cor., drains SE.; ascend gradually.

11.20 Spur, 60 ft. above gulch, projects SE.; descend gradually.

22.30 Trail Creek, stream of good water, 3 lks. wide, 2 ins. deep, in bottom of gulch, 80 ft. below spur, drains SE.; ascend gradually.

40.00 On broken NE. slope, 110 ft. above creek.

Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground on bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$$\begin{array}{r} S31 \\ \frac{1}{4} \\ \hline S6 \end{array}$$

1923

From which,

A juniper, 10 ins. diam., bears S. 55° W., 116 lks. dist., marked $\frac{1}{4}$ S6 BT.

A juniper, 10 ins. diam., bears N. 56° W., 132 lks. dist., marked $\frac{1}{4}$ S31 BT.

46.00 Spur, 30 ft. above the $\frac{1}{4}$ sec. cor., projects SE.; descend gradually.

51.00 Draw, 50 ft. below spur, drains SE.; ascend gradually.

68.00 Spur, 100 ft. above draw, projects SE.; descend gradually.

78.00 Draw, 50 ft. below spur, drains SE.; ascend gradually.

79.00 The cor. of Ts. 33 and 34 S., Rs. 11 and 12 E.; 20 ft. above draw.

Land, broken by sandstone ledges with a general southeast exposure and drainage.

Soil, shallow sandy loam; 2nd rate.

Undergrowth, scattering shadscale, sage, and black brush.

Timber, scattering juniper and pinon.

Good grazing.

SUBDIVISION OF T. 33 S., R. 12 E.

Chains

From the cor. of secs. 1, 2, 35, and 36, on the S. bdy. of the township.

N. 0°01' W., bet. secs. 35 and 36.

Ascend gradually over broken land through scattering undergrowth,

2.00 Low ridge, 20 ft. above cor., bears S. 80° E. and N. 80° descend abruptly over broken S. breaks of Trail Canyon.

15.50 Bottom of Trail Canyon, 290 ft. below ridge, drains N. 60° E.; ascend abruptly over broken N. breaks of canyon.

38.00 Top of abrupt ascent from canyon, bears N. 60° E. and S. 60° W.; thence ascend gradually over broken sandstone surfacerock.

40.00 On broken S. slope, 320 ft. above canyon; on sandstone surfacerock, mark a cross (X), over which. Set an iron post, 3 ft. long, 1 in. diam., in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$
S35 | S36
1923

43.60 Spur, 40 ft. above the $\frac{1}{4}$ sec. cor., projects E.; descend abruptly over broken sandstone ledges.

64.10 Small stream of good water, 2 lks. wide, 2 ins. deep, in bottom of sandstone gulch, 340 ft. below spur, drains S. 60° E.; ascend abruptly.

80.00 On broken S. slope, 420 ft. above stream. Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the ground on bedrock and in a large mound of stone, for cor. of secs. 25, 26, 35, and 36, with brass cap marked.

T33S | R12E
S26 | S25
S35 | S36
1923

Deposit a sandstone, 12 x 10 x 10 ins., at base of post, marked with a cross (X).

SUBDIVISION OF T. 33 S., R. 12 E.

Land, broken by sandstone ledges with a general easterly exposure and drainage.

Soil, shallow sandy loam; 2nd rate.

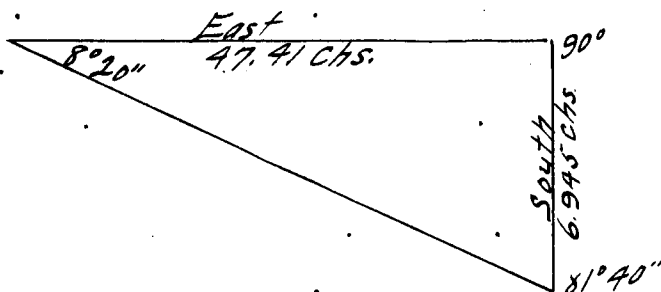
Undergrowth, scattering shadscale and blackbrush.

No timber.

Poor grazing.

East, on random line bet. secs. 25 and 36.

- 1.34 Breaks of box canyon over which I am unable to chain, I therefore determine the dist. by triangulation as follows. Erect flag "A" at the 1.34 chs. point and flag "B" on line E. From flag "B", measure a base line, S., 6.945 chs. dist. and erect flag "C". From flag "C", flag "A" subtends an angle of $81^{\circ}40'$. No longer base line could be obtained. All angles by three repetitions with error of $0'20''$ balanced to 180° .



Distance on line=	1.34 chs.
Distance by triangulation=	47.41 chs. ✓
	<u>48.75 chs.</u>

- 48.75 To point of triangulation; left temporary point.

- 80.14 Intersect the E. bdy. of the township, 5 lks. S. of the cor. of secs. 25, 30, 31, and 36.

Thence,

S. $82^{\circ}58'$ W., on true line bet. secs. 25 and 36.

Ascend gradually over broken land through scattering undergrowth..

- 5.70 Brink of sandstone gulch, 40 ft. above cor., bears SE. and NW.; descend abruptly.

- 10.70 Bottom of gulch, 60 ft. below brink, drains SE.; ascend abruptly over broken sandstone ledges..

SUBDIVISION OF T. 133 S., R. 12 E.

Chains

31.33

To point of triangulation at top of E. breaks of box canyon, 220 ft. above gulch, bears SE. and NW.; as the true point for the $\frac{1}{4}$ sec. cor. will fall in inaccessible ledges, at this point, on sandstone surfacerock, mark a cross (X), over which.

Set an iron post, 3 ft. long, 1 in. diam., in a large mound of stone, for witness cor. to the $\frac{1}{4}$ sec. cor., with brass cap marked.

WC $\frac{1}{4}$ $\frac{S25}{S36}$

1923

Thence by triangulation, giving approximate topography.

40.07 Point for the $\frac{1}{4}$ sec. cor. falls in inaccessible sandstone ledges which form the E. breaks of box canyon.

45.00 Bottom of box canyon, 200 ft. below the witness $\frac{1}{4}$ sec. cor., drains SE.; ascend abruptly over sandstone ledges which form the W. breaks of canyon.

78.80 To point of triangulation at top of W. breaks of canyon, 220 ft. above bottom, bears SE. and NW.; thence ascend gradually over sandstone surfacerock.

80.14 The cor. of secs. 25, 26, 35, and 36, 20 ft. above top of breaks of canyon.

Land, broken by sandstone ledges with a general southeasterly exposure and drainage.

Soil, shallow sandy loam in the depressions of the sandstone; 2nd rate.

Undergrowth, scattering shadscale and blackbrush.

No timber.

Poor grazing.

N. 0°01' W., bet. secs. 25 and 26..

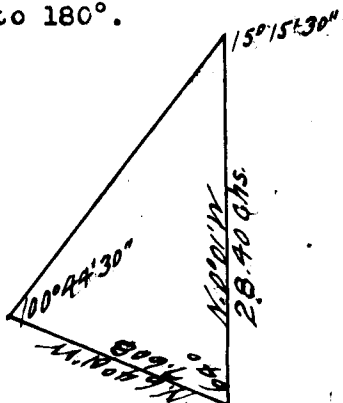
Ascend gradually over broken sandstone ledges through scattering undergrowth.

3.25 Rocky cove, bears NE. and SW. over which I am unable to chain, I therefore traverse around rim of cove as follows.

N. 27° E., 8.77 chs., thence,
N. 32° 04' W., 7.42 chs. to

17.41 Point on true line at top of N. rim of cove, bears NW. and SE.; thence ascend gradually over broken sandstone surfacerock.

23.40 Brink of abrupt descent over sandstone ledges into box canyon, 80 ft. above sec. cor., bears SE. and NW., over which I am unable to chain, I therefore determine the dist. by triangulation as follows. return^{to} the 17.41 chs. point and erect flag "A" and flag "B" on line to the N.; from flag "A", measure a base line, N. 64° 01' W., 7.608 chs. dist., from which point, flag "B" subtends an angle of 100° 44' 30". No longer base line could be obtained. All angles by three repetitions with error of 0' 20" balanced to 180°.



Distance on line =

Distance by triangulation =

17.41 chs.

28.40 chs.

45.81 chs. ✓

Approximate topography bet. points of triangulation.

40.00 Bottom of box canyon, 280 ft. below S. brink, drains SE.; ascend abruptly over broken N. breaks of canyon; point for the $\frac{1}{4}$ sec. cor. falls in bottom of canyon where a permanent cor. cannot be set.

45.81 To point of triangulation at top of N. breaks of canyon, 250 ft. above bottom, bears SE. and NW.; at this point, on sandstone surfacerock, mark a cross (X), over which. Set an iron post, 3ft. long, 1 in. diam., in a large mound of stone, for witness cor. to the $\frac{1}{4}$ sec. cor., with brass cap marked.

SUBDIVISION OF T. 33 S., R. 12 E.

Chains

- 52.20 Sandstone spur, 60 ft. above the witness $\frac{1}{4}$ sec. cor., projects SW.; descend gradually.
- 56.70 Draw, 40 ft. below spur, drains SW.; ascend gradually.
- 75.20 Spur, 50 ft. above draw, projects NW.; descend gradually.
- 80.00 On broken NE. slope, 30 ft. below spur,
Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground on bedrock and in a large mound of stone, for cor. of secs. 23, 24, 25, and 26, with brass cap marked

T33S	R12E
S23	S24
S26	S25

1923

Deposit a trachyte, 14 x 12 x 12 ins., at base of post, marked with a cross (X).

Land, broken by sandstone ledges with a general southeasterly exposure and drainage.

Soil, shallow sandy loam; 2nd rate.

Undergrowth, scattering shadscale and black sage.

No timber.

Poor grazing.

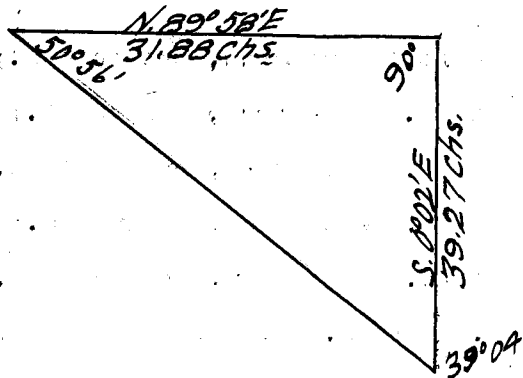
N. 82°58' E., on random line bet. secs. 24 and 25.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

48.22 The W. breaks of Trachyte Creek over which I am unable to chain, I therefore determine the dist. by triangulation as follows. Erect Flag "A" at the 48.22 chs. point and flag "B" at the cor. of secs. 19, 24, 25, and 30, which is N. 82°58' E. of the 48.22 chs. point. From this sec. cor., measure a base line, S. 0°02' E., 39.27 chs. dist., from which point, flag "A" subtends an angle of 39°04' from flag "B". All angles by three repetitions with an error of 0'20" balanced to 180°.

SUBDIVISION OF T. 33 S., R. 12 E.

Chains



Distance on line =	48.22 chs.
Distance by triangulation =	31.88 chs.
	<u>80.10 chs.</u>

80.10 To point of triangulation at the cor. of secs. 19, 24, 25, and 30, on the E. bdy. of the township. The course of this mile therefore is, S. 89°58' W. and the dist. is 80.10 chs.

Thence,

bet. secs. 24 and 25
S. 89°58' W., on true line/by triangulation, giving
approximate topography.

Descend abruptly over broken E. breaks of Trachyte Creek, through scattering undergrowth.

8.00 Trachyte Creek, stream of good water, 3 lks. wide, 3' ins. deep, in bottom of box canyon, 300 ft. below cor., drains S. 20° E.; ascend abruptly over broken sandstone ledges which form the W. breaks of canyon.

31.88 To point of triangulation at top of W. breaks of canyon, 350 ft. above bottom, bears SE. and NW.; thence ascend gradually.

33.50 Spur, 40 ft. above breaks of canyon, projects SE.; descend gradually.

40.05 On broken SW. slope, 60 ft. below spur.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

S24
—
 $\frac{1}{4}$
S25

1923

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

54.00 Draw, 40 ft. below the $\frac{1}{4}$ sec. cor., drains S.; ascend gradually.

SUBDIVISION OF T. 33 S., R. 12 E.

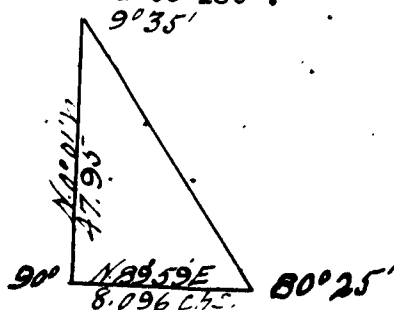
Chains

- 55.00 Spur, 30 ft. above draw, projects S.; descend gradually.
 57.50 Draw, 20 ft. below spur, drains SE.; ascend gradually.
 59.50 Spur, 20 ft. above draw, projects SE.; descend gradually.
 62.70 Draw, 60 ft. below spur, drains SE.; ascend gradually.
 68.70 Spur, 30 ft. above draw, projects SE.; descend gradually.
 80.10 The cor. of secs. 23, 24, 25, and 26, 20 ft. below spur.
 Land, broken by sandstone ledges with a general south-
 easterly exposure and drainage.
 Soil, shallow sandy loam mixed with loose sandstone; 2nd
 rate.
 Undergrowth, scattering shadscale and blackbrush.
 No timber.
 Fair grazing.

N. $0^{\circ}01'$ W., bet. secs. 23 and 24.

Descend gradually over broken sandstone ledges through
 scattering undergrowth.

- 8.00 Rim of box canyon, bears E. and W. over which I am unable
 to chain, I therefore determine the dist. across canyon
 by triangulation as follows. Return to sec. cor. which
 I designate point "A" and erect flag "B" on line to the
 N. From point "A" measure a base line, N. $89^{\circ}59'$ E.,
 8.096 chs. dist., from which point, flag "B" subtends
 an angle of $80^{\circ}25'$ from point "A". No longer base line
 could be obtained. All angles by three repetitions with
 error of $0'20''$ balanced to 180° .



Distance by triangulation=

47.25 chs.

Approximate topography bet. points of triangulation

- 30.00 Bottom of box canyon, 300 ft. below sec. cor., drains

E.; ascend abruptly over broken sandstone ledges which form the N. breaks of canyon.

40.00 Point for the $\frac{1}{4}$ sec. cor., falls in inaccessible N. breaks of canyon.

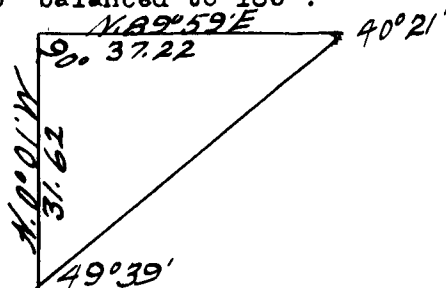
47.95 To point of triangulation at top of N. breaks of canyon, 320 ft. above bottom, bears E. and W.; thence ascend gradually.

48.15 On top of rocky spur, 30 ft. above breaks of canyon, projects E.; on sandstone surfacerock, mark a cross (X) over which.

Set an iron post, 3 ft. long, 1 in. diam., in a large mound of stone, for witness cor. to the $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$
 S23° S24°
 W C
 1923

Broken sandstone ledges make chaining to the N. of this point impossible, I therefore determine the distance by triangulation as follows. Erect flag "A" at the 48.15 chs. point and flag "B" on line to the N. From flag "B", measure a base line, N. 89°59' E., 37.22 chs. dist. from which point, flag "A" subtends an angle of 40°21' from flag "B". All angles by three repetitions with error of 0'20" balanced to 180°.



Distance on line#
Distance by triangulation=

48.15 chs. ✓
31.62 chs. ✓
79.77 chs. ✓

79.77 To point of triangulation.

80.00 On broken land, 150 ft. below the witness $\frac{1}{4}$ sec. cor.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 13, 14, 23, and 24, with brass cap marked.

SUBDIVISION OF T. 33 S., R. 12 E.

Chains

T33S	R12E
S14	S13

S23	S24
-----	-----

1923

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. of sec. 13. Land, broken by sandstone ledges with a general easterly exposure and drainage.

Soil, shallow sandy loam, mixed with loose sandstone; 2nd rate.

Undergrowth, scattering shadscale and blackbrush.

No timber.

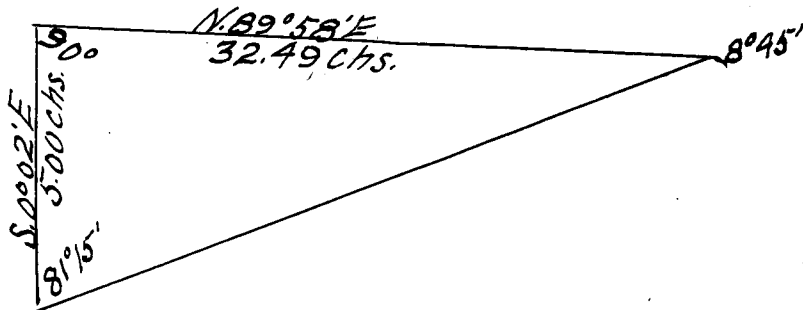
Fair grazing.

N. $89^{\circ}58'$ E., on random line bet. secs. 13 and 24.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

47.59 Broken sandstone ledges make chaining to the E. impossible

I therefore determine the dist. by triangulation as follows. Erect flag "A" at the 47.59 Chains point and flag "B" on line to the E. From flag "A", measure a base line S. $0^{\circ}02'$ E., 5.00 chs. dist., from which point, flag "B" subtends an angle of $81^{\circ}15'$ from flag "A". Impossible to obtain a longer base line. All angles by three repetitions with error of 20" balanced to 180° .



Distance on line =

Distance by triangulation =

47.59 chs.

32.49 chs.

80.08 chs.

80.08 To point of triangulation at a point, 28 lks. N. of the cor. of secs. 13, 18, 19, and 24, on the E. bdy. of the township.

Thence,

SUBDIVISION OF T. 33 S., R. 12 E.

Chains

N. 89°50' W., on true line bet. secs. 13 and 24, by triangulation.

Descend gradually over broken land through scattering undergrowth.

32.49 To point of triangulation.

40.04 On broken land, 80 ft. below sec. cor.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

S13

S24

1923

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Thence, ascend gradually.

43.00 Spur, 30 ft. above the $\frac{1}{4}$ sec. cor., projects S. 30° E.; descend abruptly over broken E. breaks of Trachyte Creek.

61.00 Trachyte Creek, stream of good water, 3 lks. wide, 3 ins. deep, in bottom of canyon, 230 ft. below spur, drains SE.; ascend abruptly over broken W. breaks of creek.

79.00 Top of W. breaks of Trachyte Creek, 260 ft. above bottom, bears SE. and NW.; thence ascend gradually.

80.08 The cor. of secs. 13, 14, 23, and 24, 10 ft. above breaks of canyon.

Land, broken by deep canyon and high sandstone ledges with a general southeasterly exposure and drainage. Soil, shallow sandy loam; 2nd rate.

Undergrowth, scattering shadscale and blackbrush.

No timber.

Fair grazing.

N. 0°01' W., bet. secs. 13 and 14.

Descend abruptly over broken land through scattering undergrowth.

11.80 Gulch, 220 ft. below cor., drains NE.; ascend abruptly.

SUBDIVISION OF T. 33 S., R. 12 E.

Chains

- 25.50 Spur, 150 ft. above gulch, projects E.; descend gradually
- 33.00 Draw, 70 ft. below spur, drains N. 70° E.; ascend gradually.
- 38.50 Spur, 40 ft. above draw, projects E.; descend gradually
- 40.00 On broken N. slope, 60 ft. below spur.
Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground on bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$
S14 | S13
1923

Deposit a sandstone, 10 x 8 x 8 ins. at base of post, marked with a cross (X).

Pits impracticable on account of the loose sand.

- 48.60 Trachyte Creek, stream of good water, 3 lks. wide, 3 ins. deep, in bottom of canyon, 150 ft. below the $\frac{1}{4}$ sec. cor. drains S. 80° E.; ascend gradually.
- 58.20 Spur, 130 ft. above bottom of canyon, projects SE.; descend gradually.
- 77.70 Sandstone gulch with perpendicular sandstone walls 20 ft. high, 200 ft. below spur, drains S. 15° E.; ascend abruptly.
- 80.00 On steep SW. slope of sandstone surface rock, 80 ft. above gulch.
Set an iron post, 20 ins. long, 1 in. diam., 16 ins. in a hole drilled in the solid sandstone, for cor. of secs. 11, 12, 13, and 14, with brass cap marked.

T33S R12E
S11 | S12
S14 | S13
1923

No accessories available for cor.

Land, broken with a general southeasterly exposure and drainage.

Soil, shallow sandy loam; 2nd rate.

SUBDIVISION OF T. 33 S., R. 12 E.

Chains

Undergrowth, scattering shadscale and blackbrush.

No timber.

Fair grazing.

S. 89°50' E., on random line bet. secs. 12 and 13.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.10 Intersect the E. bdy. of the township, 28 lks. S. of the
cor. of secs. 7, 12, 13, and 18.

Thence,

S. 89°58' W., on true line bet. secs. 12 and 13.

Descend gradually over broken land through scattering
undergrowth.

12.00 Brink of sandstone rimrock, 60 ft. high, bears NE. and SW.;
thence descend abruptly.

20.00 Sandstone gulch, 150 ft. below cor., drains S. 70° W.;
ascend gradually.

30.00 Sandstone spur, 50 ft. above gulch, projects S. 70° W.;
Descend gradually.

40.05 On steep S. slope of sandstone surfacerock.

Set an iron post, 20 ins. long, 1 in. diam., 16 ins. in a
hole drilled in the solid sandstone, for $\frac{1}{4}$ sec. cor.,
with brass cap marked.

S12
 $\frac{1}{4}$
S13

1323

No accessories available.

59.50 Sandstone draw, 120 ft. below the $\frac{1}{4}$ sec. cor., drains
S. 30° W.; ascend gradually.

70.00 Sandstone spur, 40 ft. above draw, projects S.; descend
gradually.

80.10 The cor. of secs. 11, 12, 13, and 14, 50 ft. below spur.
Land, broken by sandstone ledges with a general south-
westerly exposure and drainage.

Soil, shallow sandy loam in the bottom of the draws; 2nd
rate.

SUBDIVISION OF T. 33 S., R. 12 E.

Chains

5 miles

Undergrowth, scattering shadscale and blackbrush.

No timber.

Fair grazing.

N. 0°01' W., bet. secs, 11 and 12.

Ascend gradually over broken sandstone surfacerock through scattering undergrowth.

3.00 Base of lone sandstone butte, 100 ft. high, bears E. and W., over which I am unable to chain; to pass butte I offset as follows.

East, 4.00 chs.

N. 0°01' W., 3.00 chs.

West, 4.00 chs. to

12.00 Point on true line at base of N. side of butte, bears E. and W.; thence ascend gradually over smooth sandstone surfacerock.

30.00 Sandy draw, 150 ft. above sec. cor., drains W.; continue gradual ascent.

38.50 Sandstone draw, 40 ft. above last draw, drains SW.; continue gradual ascent.

40.00 On steep SW. slope of sandstone surfacerock, 20 ft. above draw.

Set an iron post, 20 ins. long, 1 in. diam., 16 ins. in a hole drilled in the solid sandstone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$
S11 | S12
1923

No accessories available.

45.00 Sandstone spur, 50 ft. above the $\frac{1}{4}$ sec. cor., projects W.; descend gradually.

54.50 Sandstone gulch, 50 ft. below spur, drains SW.; ascend abruptly over sandstone ledges.

64.40 Top of sandstone rimrock, 20 ft. high, bears NE. and SW.; thence ascend gradually.

74.00 Low spur, 180 ft. above gulch, projects S. 35° W.; descend gradually.

SUBDIVISION OF T. 33 S., R. 12 E.

Chains

80.00 On gentle N. slope, 20 ft. below cor.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 1, 2, 11, and 12, with brass cap marked.

T33S	R12E
S2	S1
S11	S12
1223	

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Land, broken with a general southeasterly exposure and drainage.

Soil, shallow sandy loam in bottom of the draws; 2nd rate.

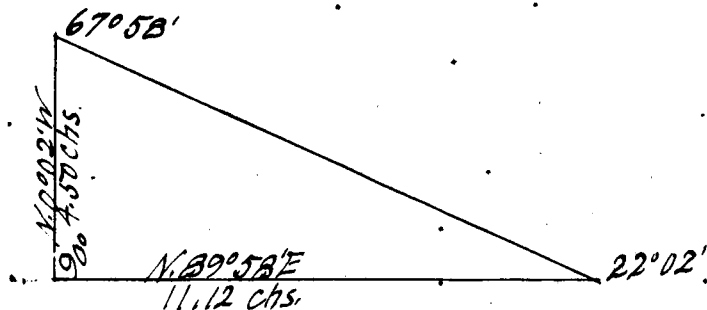
Undergrowth, scattering shadscale and blackbrush.

No timber.

Fair grazing.

N. $89^{\circ}58'$ E., on random line bet. secs. 1 and 12.

32.58 West brink of sandstone gulch over which I am unable to chain, I therefore determine the dist. by triangulation as follows. Erect Flag "A" at the 32.58 chs. point and flag "B" on line to the E. From Flag "A", measure a base line, N. $0^{\circ}02'$ W., 4.50 chs. dist., from which point, flag "B" subtends an angle of $67^{\circ}58'$ from flag "A". All angles by three repetitions with error of $0'20''$ balanced to 180° .



Distance on line=

Distance by triangulation =

32.58 chs.

11.12 chs.

43.70 chs.

43.70 To point of triangulation; left temp. point.

72.20 Intersect the E. bdy. of the township, 7 lks. S. of the cor. of secs. 1, 6, 7, and 12.

SUBDIVISION OF T. 33 S., R. 12 E.

Chains

Thence,

S. 89°55' W., on true line bet. secs. 1 and 12.

Descend gradually over broken land through scattering undergrowth.

8.00 Sandy draw, 40 ft. below cor., drains SW.; ascend gradually.

20.00 Sand ridge, 30 ft. above draw, bears NE. and SW.; descend gradually.

36.20 To point of triangulation at brink of abrupt descent into gulch, 50 ft. below ridge, bears NE. and SW.; as the true point for the $\frac{1}{4}$ sec. cor. will fall in breaks of gulch where a permanent cor. cannot be set, at this point:

Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground on bedrock and in a large mound of stone, for witness cor. to the $\frac{1}{4}$ sec. cor., with brass cap marked

S1
WC $\frac{1}{4}$ $\frac{S1}{S12}$

1923

Deposit a granite, 8 x 8 x 8 ins., at base of post, marked with a cross (X).

Thence, by triangulation, giving approximate topography.

39.36 Point for the $\frac{1}{4}$ sec. cor. falls in E. breaks of gulch where a permanent cor. cannot be set.

41.40 Bottom of rocky gulch, 150 ft. below the witness $\frac{1}{4}$ sec. cor., drains SW.; ascend abruptly over broken W. breaks of gulch.

45.32 To point of triangulation at top of W. breaks of gulch, 150 ft. above bottom, bears NE. and SW.; thence ascend gradually.

49.50 Spur, 40 ft. above top of breaks, projects S.; descend abruptly.

54.50 Descent becomes more abrupt, bears NE. and SW.

60.00 Sandstone gulch, 200 ft. below spur, drains SW.; ascend abruptly over broken W. breaks of gulch.

SUBDIVISION OF T. 33 S., R. 12 E.

Chains

- 63.00 Top of W. breaks of gulch, bears NE. and SW.; continue abrupt ascent.
- 65.00 Sandstone spur, 200 ft. above gulch, projects S.; descend abruptly.
- 70.00 Gulch, 100 ft. below spur, drains S.; ascend abruptly.
- 77.50 Spur, 100 ft. above gulch, projects S. 35° W.; descend gradually.
- 79.90 The cor. of secs. 1, 2, 11, and 12, 40 ft. below spur. Land, broken with a general southwesterly exposure and drainage.
- Soil, shallow sandy loam; 2nd rate.
- Undergrowth, scattering shadscale and blackbrush.
- No timber.
- Good grazing.

N. 0°01' W., on random line bet. secs. 1 and 2.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.

- 79.32 Intersect the N. bdy. of the township, 9 lks. W. of the cor. of secs. 1, 2, 35, and 36, which is an iron post, 2 ins. diam., extending 12 ins. above ground, firmly set, with brass cap marked and witnessed as described in the notes of the survey of T. 32 S., R. 12 E.

Thence, /

S. 0°03' W., on true line bet. secs. 1 and 2.

Ascend gradually over rolling land through scattering undergrowth.

- 12.40 Ridge, 40 ft. above cor., bears NE. and SW.; descend gradually.

- 33.30 Draw, 150 ft. below ridge, drains SW.; ascend gradually.

- 39.32 On sandstone surfacerock, 30 ft. above draw, mark a cross (X), over which.

Set an iron post, 3 ft. long, 1 in. diam., in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

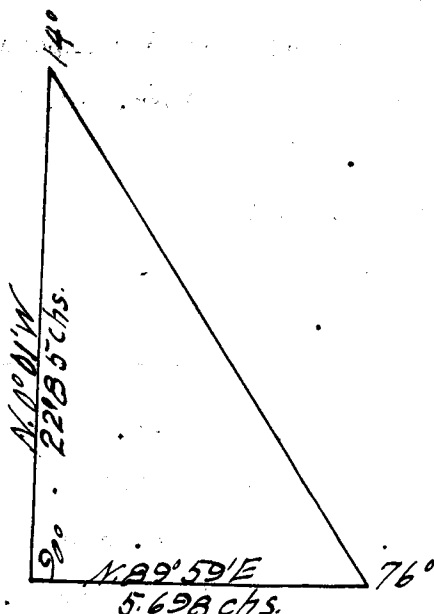
SUBDIVISION OF T. 33 S., R. 12 E.

Chains	
57.00	Ridge, 50 ft. above the $\frac{1}{4}$ sec. cor., bears NE. and SW.; descend gradually.
79.32	The cor. of secs. 1, 2, 11, and 12, 60 ft. below ridge. Land, rolling with a general southwesterly exposure and drainage. Soil, shallow sandy loam; 2nd rate. Undergrowth, scattering shadscale and blackbrush. No timber. Good grazing.
	From the cor. of secs. 2, 3, 34, and 35, on the S. bdy. of the township. N. $0^{\circ}01'$ W., bet. secs. 34 and 35. Descend gradually over broken land through scattering undergrowth.
14.80	Trail Canyon, 80 ft. below cor., drains E.; ascend gradually.
20.00	Spur, 60 ft. above canyon, projects E.; descend gradually.
23.40	Draw, 30 ft. below spur, drains E.; ascend gradually.
25.50	Spur, 50 ft. above draw, projects SE.; descend gradually.
34.50	Draw, 40 ft. below spur, drains SE.; ascend gradually.
40.00	On broken S. slope, 40 ft. above draw. Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.
	$\begin{array}{c} \frac{1}{2} \\ \hline S34 \mid S35 \\ 1323 \end{array}$
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
46.69	Rim of box canyon, 50 ft. above the $\frac{1}{4}$ sec. cor., bears E. and W. It being impossible to chain across canyon, I determine the dist. by triangulation as follows. Erect flag "A" at the 46.69 chs. point and flag "B" on line to the N. From flag "A", measure a base line, N. $89^{\circ}59'$ E., 5.698 chs. dist., from which point, flag "B" subtends an angle of $76^{\circ}00'$, from flag "A". No longer Base line could be obtained. All angles by three

SUBDIVISION OF T. 33 S., R. 12 E.

Chains

repetitions with error of 0'20" balanced to 180°.



Distance on line =	46.63 chs.
Distance by triangulation =	22.85 chs. ✓
	<u>69.54 chs.</u>
Distance by return measurement =	5.54 chs.
	<u>64.00 chs.</u>

Approximate topography bet. points of triangulation.

- 55.50 Bottom of box canyon, 200 ft. below S. rim, drains E.; ascend abruptly over broken N. breaks of canyon.
- 64.00 The N. rim of canyon, 200 ft. above bottom, bears E. and W.; ascend gradually.
- 69.54 To point of triangulation on top of spur, 50 ft. above N. rim of canyon, projects E.; descend abruptly.
- 75.80 Gulch, with sandstone walls, 40 ft. high, 240 ft. below spur, drains SE.; ascend abruptly over broken N. breaks of gulch.
- 80.00 On steep broken S. slope, 40 ft. above gulch; on sandstone surfacerock, mark a cross (X), over which.
- Set an iron post, 3 ft. long, 2 ins. diam., in a large mound of stone, for cor. of secs. 26, 27, 34, and 35, with brass cap marked.

T33S	R12E
S27	S26
S34	S35

SUBDIVISION OF T. 33 S., R. 12 E.

Chains

amian0

Land, broken by sandstone ledges and deep box canyons,
with a general easterly exposure and drainage.

Soil, shallow sandy loam, mixed with loose sandstone;
2nd rate.

Undergrowth, scattering shadscale and blackbrush.

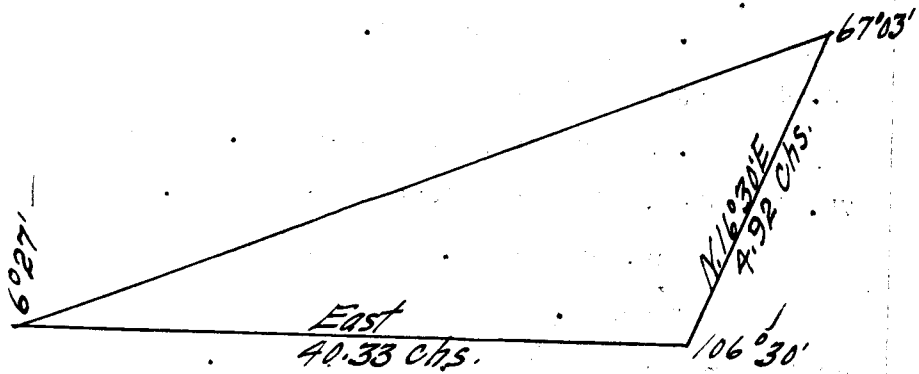
No timber.

Fair grazing.

East, on random line bet. secs. 26 and 35.

38.01 Left point for triangulation.

39.85 Set temp. witness $\frac{1}{4}$ sec. cor.; broken N. breaks of box
canyon make chaining to the E. impossible, I therefore
determine the dist. by triangulation as follows. Return
to the 38.01 chs. point and erect flag "A", and flag "B"
on line to the E. From flag "B" measure a base line,
N. $16^{\circ}30'$ E., 4.92 chs. dist., from which point, flag
"B" subtends an angle of $67^{\circ}03'$ from flag "A". No longer
base line could be obtained. All angles by three repetition
with error of $0'20''$ balanced to 180° .



Distance on line =

Distance by triangulation =

Distance by return measurement =

38.01 chs.

40.33 chs.

78.34 chs.

14.80 chs.

63.54 chs.

78.34 To point of triangulation.

80.04 Intersect the N. and S. line, 3 lks. S. of the cor. of
secs. 25, 26, 35 and 36.

Thence,

SUBDIVISION OF T. 33 S., R. 12 E.

Chains

S. 82°52' W., on true line bet. secs. 26 and 35.

Descend abruptly over broken land through scattering undergrowth.

1.70 To point of triangulation at top of broken N. breaks of box canyon, bears N. 60° W. and S. 60° E.; continue abrupt descent.

13.80 Draw, 240 ft. below cor., drains S. 15° E.; ascend gradually.

16.50 Thence by triangulation along broken N. breaks of box canyon.

40.02 Point for the $\frac{1}{4}$ sec. cor. falls on nearly perpendicular S. face of sandstone ledge where it is impossible to set a permanent cor.

40.12 On sandstone surfacerock, 150 ft. above draw; mark a cross (X), over which.

Set an iron post, 3 ft. long, 1 in. diam., in a large mound of stone, for witness cor. to the $\frac{1}{4}$ sec. cor.; with brass cap marked.

$$\begin{array}{c} \text{S26} \\ \frac{1}{4} \text{---} \text{WC} \\ \text{S35} \end{array}$$

1923

42.03 To point of triangulation; continue along broken N. breaks of canyon.

66.40 Spur, 50 ft. above the witness $\frac{1}{4}$ sec. cor., projects S.; continue gradual ascent.

76.00 Spur, 40 ft. above last spur, projects S. 75° W.; descend abruptly.

78.80 Sandstone rimrock, bears SW. and NE., 40 ft. high.

80.04 The cor. of secs. 26, 27, 34, and 35, 120 ft. below spur. Land, broken by sandstone ledges with a general southeasterly exposure and drainage.

Soil, shallow sandy loam; 2nd rate.

Undergrowth, scattering shadscale and blackbrush.

Timber, none.

Fair grazing.

SUBDIVISION OF T. 33 S., R. 12 E.

Chains

N. 0°01' W., bet. secs. 26 and 27.

Ascend abruptly over broken land through scattering undergrowth.

10.00 Top of abrupt ascent, 80 ft. above cor., bears E. and W. thence descend gradually,

14.50 Draw, 100 ft. below top of abrupt ascent, drains SW.; ascend gradually.

21.00 Spur, 50 ft. above draw, projects SW.; descend gradually.

23.00 Draw, 60 ft. below spur, drains SW.; ascend gradually,

40.00 On broken land, 80 ft. above draw; on sandstone surface-rock, mark a cross (X), over which.

Set an iron post, 3 ft. long, 1 in. diam., in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$
S27 | S26
1923

55.50 Spur, 40 ft. above the $\frac{1}{4}$ sec. cor., projects W.; descend gradually.

63.00 Draw, 60 ft. below spur, drains W.; ascend gradually.

80.00 On broken S. slope, 100 ft. above draw.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 22, 23, 26, and 27, with brass cap marked.

T33S | R12E
S22 | S23
S27 | S26
1923

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Land, broken with a general southwesterly exposure and drainage.

Soil, shallow sandy loam, mixed with loose sandstone; 2nd rate.

Undergrowth, scattering shadscale.

No timber.

Fair grazing.

SUBDIVISION OF T. 35 S., R. 12 E.

N. 89°52' E., on random line bet. secs. 23 and 26.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.94 Intersect the N. and S. line, 7 lks. S. of the cor of
secs. 23, 24, 25, and 26.

Thence,

S. 82°56' W., on true line bet. secs. 23 and 26.

Over rolling land through scattering undergrowth.

1.80 Spur, 20 ft. high, projects N.

25.50 Draw, 20 ft. deep, drains SE.

32.27 On rolling E. slope.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the
ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$$\begin{array}{r} 523 \\ + \\ 526 \\ \hline 1049 \end{array}$$

1023

Deposit a trachyte, 10 x 7 x 6 ins., at base of post,
marked with a cross (X).

No other accessories available and pits impracticable.

60.00 Ridge, 40 ft. high, bears NE. and SW.; descend gradually.

72.24 The cor. of secs. 22, 23, 26, and 27, 40 ft. below ridge.
Land rolling sand hills with a general southwesterly
exposure and drainage.

Soil, shallow sandy loam; 2nd rate..

Undergrowth, scattering shadscale and blackbrush..

No timber.

Good grazing.

N. 0°01' W., bet. secs. 22 and 23.

Ascend gradually over rolling land through scattering
undergrowth.

3.00 Spur, 20 ft. above cor., projects W.; descend gradually.

29.00 Draw, 100 ft. below spur, drains E.; ascend gradually.

40.00 On gentle S. slope, 240 ft. above draw.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the
ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

SUBDIVISION OF T. 33 S., R. 13 E.

Chains

S22 S23

1923

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

50.30 Sandy spur, 50 ft. above the $\frac{1}{4}$ sec. cor., projects E.;
ascend gradually.

70.20 Ridge, 100 ft. above spur, bears E. and W.; descend
gradually.

80.00 On spur, 60 ft. below ridge, projects N. 30° E.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the
ground, for cor. of secs. 14, 15, 22, and 23, with brass
cap marked.

T33S	R12E
S15	S14
S22	S23

1923

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
Land, rolling with a general easterly exposure and drain-
age.

Soil, shallow sandy loam, mixed with loose sandstone;
2nd. rate.

Undergrowth, scattering shadscale and blackbrush.

No timber.

Good grazing..

N. $89^{\circ}56'$ E., on random line bet. secs. 14 and 23.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.30 Intersect the N. and S. line, 2 lks. N. of the cor. of
secs. 13, 14, 23 and 24.

Thence,

S. $89^{\circ}57'$ W., on true line bet. secs. 14 and 23.

Ascend gradually over broken land through scattering
undergrowth.

28.70 Sandstone rimrock, 30 ft. high, bears N. and S.

39.96 On N. slope of knoll, 150 ft. above sec. cor.

SUBDIVISION OF T. 53 S., R. 12 E.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

S14
 $\frac{1}{4}$
S23

1923

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Thence, descend gradually.

40.20 Draw, 10 ft. below the $\frac{1}{4}$ sec. cor., drains SE; continue gradual descent; land becomes rolling, bears N. and S.

72.20 The cor. of secs. 14, 15, 22, and 23, 150 ft. below draw. Land, broken on E. portion of mile with a general easterly exposure and drainage, rolling sand hills on west portion with a general southeasterly exposure and drainage.

Soil, shallow sandy loam, mixed with loose sandstone; 2nd rate.

Undergrowth, scattering shadscale and blackbrush.

No timber.

Good grazing.

N. $0^{\circ}01'$ W.; bet. secs. 14 and 15.

Descend gradually over broken land through scattering undergrowth.

31.30 Descent becomes abrupt, bears E. and W.

38.20 Draw, 160 ft. below cor., drains E.; ascend gradually.

40.00 On rolling S. slope, 40 ft. above draw.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$
S15 | S14
1923

From which,

A juniper, 5 ins. diam., bears N. 65° E., 89 lks. dist., marked $\frac{1}{4}$ S14 BT.

A juniper, 12 ins. diam., bears N. $56^{\circ}30'$ W., 117 lks. dist., marked $\frac{1}{4}$ S15 BT.

SUBDIVISION OF T. 33 S., R. 12 E.

Chains

67.00 Spur, 280 ft. above the $\frac{1}{4}$ sec. cor., projects NE.; descend gradually.

80.00 On gentle N. slope, 40 ft. below spur.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 10, 11, 14, and 15, with brass cap marked.

T33S	R12E
S10	S11
S15	S14

1923

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Land, rolling with a general easterly exposure and drainage.

Soil, shallow sandy loam; 2nd rate.

Undergrowth, scattering shadscale and blackbrush.

Timber, a few scattering juniper near the $\frac{1}{4}$ sec. cor.

Good grazing.

N. $82^{\circ}57'$ E., on random line bet. secs. 11 and 14.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.04 Intersect the N. and S. line, 12 lks. S. of the cor. of 11, 12, 13, and 14.

Thence,

S. $82^{\circ}52'$ W., on true line bet. secs. 11 and 14.

Descend abruptly over steep W. slope of sandstone surface² rock through scattering undergrowth.

1.50 Bottom of sandstone gulch with perpendicular sandstone walls, 30 ft. high, 40 ft. below cor., drains S. 30° E.; ascend abruptly.

7.40 Ridge, 100 ft. above gulch, bears SE. and NW.; descend abruptly.

10.00 Trachyte Creek bed, dry, with perpendicular sandstone walls, 50 ft. high, 100 ft. below ridge, drains SE.; ascend abruptly.

15.00 Spur, 80 ft. above creek bed, projects N.; descend gradually.

SUBDIVISION OF T. 33 S., R. 12 E.

CORNERS

- 17.50 Draw, 20 ft. below spur, drains NE.; ascend abruptly.
- 28.00 Ridge, 100 ft. above draw, bears SE. and NW.; descend gradually.
- 40.02 On gentle SW. slope, .50 ft. below ridge.
- Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground on bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

S11
 $\frac{1}{4}$
 S14

1323

- Deposit a sandstone, 12 x 12 x 10 ins., at base of post, marked with a cross (X).
- 42.50 Descent becomes abrupt, bears N. and S.
- 48.00 Draw, 80 ft. below the $\frac{1}{4}$ sec. cor., drains SE.; ascend abruptly.
- 64.50 Spur, 120 ft. above draw, projects NE.; descend gradually.
- 80.04 The cor. of secs. 10, 11, 14, and 15, 20 ft. below spur, Land, broken with a general southeasterly exposure and drainage on E. portion of mile, and a general north-easterly exposure and drainage on W. portion.
- Soil shallow sandy loam, mixed with loose sandstone; 2nd rate.
- Undergrowth, scattering shadscale, sage and black brush.
- No timber.
- Good grazing.

N. 0°01' W., bet. secs. 10 and 11.

Descend gradually over rolling land through scattering undergrowth.

- 6.00 Draw, 40 ft. below cor., drains NE.; ascend abruptly.
- 13.80 Spur, 140 ft. above draw, projects NE.; descend gradually.
- 32.00 Draw, 40 ft. below spur, drains NE.; ascend gradually.
- 40.00 On rolling land, 40 ft. above draw.
- Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

SUBDIVISION OF T. 33 S., R. 12 E.

Chains

S10 | S11

1923

58.00 Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Spur, 60 ft. above the $\frac{1}{4}$ sec. cor., projects E.; descend abruptly.

70.20 Trachyte Creek, stream of good water, 3 lks. wide, 2 ins. deep, in bottom of canyon, 170 ft. below spur, drains E.; ascend gradually.

80.00 On broken S. slope, 80 ft. above stream.

Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground on bedrock and in a large mound of stone, for cor. of secs. 2, 3, 10, and 11, with brass cap marked.

T33S | R12E
S3 | S2

S10 | S11

1923

Deposit a granite, 10 x 10 x 8 ins., at base of post, marked with a cross (X).

Pits impracticable.

Land, rolling with a general northerly exposure and easterly drainage.

Soil, shallow sandy loam, mixed with loose sandstone; 2nd rate.

Undergrowth, scattering shadscale, sage and black brush.

No timber.

Good grazing.

N. $89^{\circ}52'$ E., on random line bet. secs. 2 and 11.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.12 Intersect the N. and S. line, at the cor. of secs. 1, 2, 11, and 12.

Thence,

S. $89^{\circ}52'$ W., on true line bet. secs. 2 and 11.

Descend gradually over rolling land through scattering undergrowth.

SUBDIVISION OF T. 35 S., R. 12 E.

10.00

Draw, 30 ft. below cor., drains SW.; ascend gradually.

15.50

Spur, 30 ft. above draw, projects SW.; descend gradually.

20.20

Sandstone draw, 50 ft. below spur, drains S.; ascend.

30.00

gradually.

35.40

Spur, 40 ft. above draw, projects SE.; descend gradually.

40.00

On rolling land, 30 ft. below spur.

Set an iron post, 3ft. long, 1 in. diam., 18 ins. in the ground on bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked..

$\frac{1}{4}$ S2
S11

1923

Deposit a sandstone, 8 x 8 x 8 ins., at base of post, marked with a cross (X).

Pits impracticable. Thence, ascend gradually.

42.20

The SW. point of spur, 30 ft. above the $\frac{1}{4}$ sec. cor.; descend gradually.

44.00

Sandstone rimrock, 20 ft. high, bears NE. and SW.

54.00

Gulch, 80 ft. below spur, drains SE.; ascend gradually.

63.20

Ridge, 180 ft. above gulch, bears SE. and NW.; descend gradually.

70.00

Draw, 60 ft. below ridge, drains SE.; ascend gradually.

71.30

Spur, 30 ft. above draw, projects SE.; descend gradually.

75.50

Draw, 30 ft. below spur, drains S.; ascend gradually.

80.12

The cor. of secs. 2, 3, 10, and 11, 30 ft. above draw.

Land, rolling with a general southerly exposure and drainage.

Soil, shallow sandy loam, mixed with loose sandstone; 2nd rate.

Undergrowth, scattering shadscale, sage and black brush.

No timber.

Good grazing.

SUBDIVISION OF T. 32 S. 3 R. 12 E.

Chains

N. 0°03' E., on random line bet. secs. 2 and 3.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.60 Intersect the N. bdy. of the township, 30 lks. E. of the
 cor. of secs. 2, 3, 34, and 35, which is an iron post,
 2 ins. diam., firmly set, extending 12 ins. above
 ground, with brass cap marked and witnessed as described
 in the notes of the survey of T. 32 S., R. 12 E.

Thence,

S. 0°10' E., on true line bet. secs. 2 and 3.

Ascend gradually over rolling W. slope through scattering
 undergrowth.

24.00 Wash, 15 lks. wide, 5 ft. deep, drains NW.

37.50 Spur, 30 ft. high, projects NW.

39.60 On N. bank of wash.

Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the
 ground on bedrock and in a large mound of stone, for
 $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$
 S3 | S2
 1223

Deposit a sandstone, 10 x 10 x 8 ins., at base of post,
 marked with a cross (X).

40.50 Wash, 30 lks. wide, 5 ft. deep, drains SE.; ascend
 gradually.

74.50 Spur, 220 ft. above wash, projects S. 70° E.; descend
 gradually.

79.60 The cor. of secs. 2, 3, 10, and 11, 80 ft. below spur.
 Land, rolling with a general southeasterly exposure and
 drainage.

Soil, shallow sandy loam, mixed with loose sandstone;
 2nd rate.

Undergrowth, scattering shadscale, sage and black brush.

No timber.

Good grazing.

SUBDIVISION OF T. 33 S., R. 12 E.

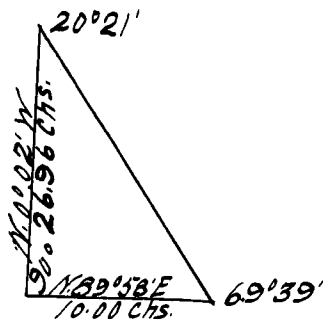
true point for
From the cor. of secs. 3, 4, 33, and 34, on the S. bdy.
of the township.

N. $0^{\circ}02'$ W., bet. secs. 33 and 34.

Descend abruptly over broken sandstone ledges through
scattering timber and undergrowth.

8.00 Rocky gulch, 70 ft. below cor., drains N. 70° E.; ascend
abruptly over broken N. breaks of gulch.

15.00 Sandstone spur, 150 ft. above gulch, projects E.; inaccessible
sandstone breaks of box canyon make chaining to the
N. impossible, I therefore determine the distance by
triangulation as follows. Erect flag "A" at the 15.00
chs. point and flag "B" on line to the N. From flag "A",
measure a base line, N. $89^{\circ}58'$ E., 10.00 chs. dist.,
from which point, flag "B" subtends an angle of $69^{\circ}39'$
from flag "A". All angles by three repetitions with
error of $0'20''$ balanced to 180° .



Approximate topography bet. points of triangulation.

30.00 Bottom of box canyon, 450 ft. below spur, drains S. 30° E.;
ascend abruptly over broken N. breaks of canyon.

40.00 Point for the $\frac{1}{4}$ sec. cor. falls in inaccessible N. breaks
of canyon.

41.96 To point of triangulation at top of N. breaks of canyon,
500 ft. above bottom, bears SE. and NW.; at this point,
on sandstone surfacerock, mark a cross (X), over which.
Set an iron post, 3 ft. long, 1 in. diam., in a large
mound of stone, for witness cor. to the $\frac{1}{4}$ sec. cor., with
brass cap marked.

SUBDIVISION OF T. 33 S., R. 12 E.

Chains

S33 | S34
W C
1923

No suitable bearing trees available.

49.00 Sandstone ridge, bears E. and W.; 100 ft. above the witness cor. to the $\frac{1}{4}$ sec. cor.; descend gradually over broken sandstone surfacerock.

80.00 On N. rim of deep rocky gulch, 320 ft. below ridge, bears E. and W.; on sandstone surfacerock, mark a cross (X), over which.

Set an iron post, 3 ft. long, 2 ins. diam., in a large mound of stone, for cor. of secs, 27, 28, 33, and 34, with brass cap marked.

T33S | R12E
S28 | S27
S33 | S34

1923

No suitable bearing trees available.

Land, broken by sandstone ledges with a general easterly exposure and drainage.

Soil, shallow sandy loam, mixed with loose sandstone; 2nd rate.

Undergrowth, scattering shadscale, black and sage brush.

Timber, scattering juniper and pinon.

Fair grazing.

East, on random line bet. secs. 27 and 34.

Inaccessible breaks of canyon make chaining to the E. of cor. impossible, I therefore offset, N. 4.95 chs.; thence by traverse, S. 73°00' E., 25.92 chs. to

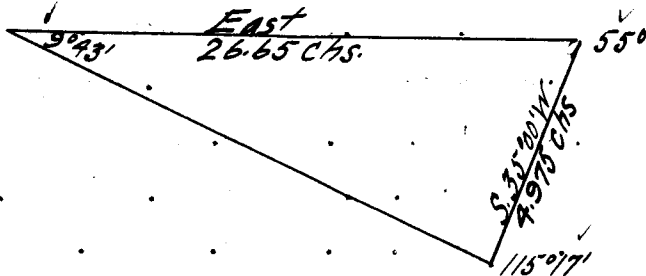
25.44 Point on true random line.

40.00 Set temp $\frac{1}{4}$ sec. cor.

45.00 Inaccessible breaks of canyon make chaining to the E. of this point impossible, I therefore determine the distance by triangulation as follows. Return to the 25.44 chs. point and erect flag "A" and flag "B" on

SUBDIVISION OF T. 33 S., R. 12 E.

line E. From flag "B", measure a base line, S. 35°00' W., 4.975 chs. dist. from which point, flag "A" subtends an angle of 115°17' from flag "B". No longer base line could be obtained. All angles by three repetitions. with error of 0'20" balanced to 180°.



Distance on line =	25.44 chs.
Distance by triangulation =	26.65 chs. ✓
	<u>52.09 chs. ✓</u>

52.09 To point of triangulation.

80.06 Intersect the N. and S. line, 7 lks. N. of the cor. of secs. 26, 27, 34, and 35.

Thence,

N. 89°57' W., on true line bet. secs. 27 and 34.

Descend gradually over broken N. breaks of sandstone gulch through scattering undergrowth.

14.00 Bottom of sandstone gulch, 150 ft. below cor., drains S. 60° E.; ascend abruptly over broken S. breaks of gulch.

27.97 To point of triangulation on N. point of sandstone breaks, 150 ft. above gulch; thence by triangulation, giving approximate topography.

33.00 Bottom of same gulch as last, 140 ft. below breaks, drains N. 70° E.; ascend abruptly over broken N. breaks of gulch.

37.00 Top of N. breaks of gulch, 130 ft. above bottom, bears N. 70° E. and S. 70° W.; thence ascend gradually along top of N. breaks of gulch.

40.00 On broken SE. slope, 50 ft. above top of breaks; on sandstone surfacerock, mark a cross (X), over which.

Set an iron post, 3 ft. long, 1 in. diam., in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

SUBDIVISION OF T. 38 S., R. 12 E.

Chains

$$\frac{127}{4} = 31.75$$

334

1323

54.62 To point of triangulation and point of traverse at Brink of abrupt descent into box canyon, 300 ft. deep, drains S. 70° E., brink bears N. 70° W. and S. 70° E.; thence by traverse along N. rim of canyon as follows. N. 79°00' W., 25.92 chs. to

80.06 Point 4.95 chs. N. of the cor. of secs. 27, 28, 33, and 34. Thence S., 4.95 chs. to cor.

Land, broken by breaks of box canyon with a general easterly exposure and drainage.

Soil, shallow sandy loam, mixed with loose sandstone; 2nd rate.

Undergrowth, scattering shadscale, black and sage brush. No timber.

Fair grazing.

N. 09°-02' W., bet. secs. 27 and 28.

Descend abruptly over broken S. breaks of box canyon through scattering undergrowth and timber.

2.50 Bottom of box canyon, 150 ft. below cor., drains S. 80° E.; canyon commences to box 3.00 chs. to the W. of line; ascend abruptly over broken N. breaks of canyon.

3.50 Top of N. breaks of canyon, 150 ft. above bottom, bears S. 80° E. and N. 80° W.; thence ascend gradually over broken sandstone surfacerock.

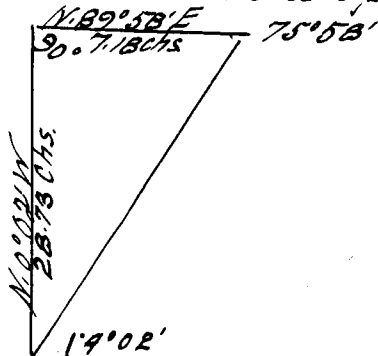
16.80 Sandstone ridge, 100 ft. above N. rim of canyon, bears NE. and SW.; descend abruptly over broken sandstone ledges.

17.39 The S. brink of box canyon, bears NE. and SW. over which I am unable to chain, I therefore determine the distance by triangulation as follows. Erect flag "A" at the 17.39 chs. point and flag "B" on line to the N. From flag "B", measure a base line N. 89°58' E., 7.18 chs. dist., from which point, Flag "A" subtends an angle of 75°58' from

SUBDIVISION OF T. 33 S., R. 12 E.

Chains

flag "B". No longer base line could be obtained. All angles by three repetitions with error of 0'20" balanced to 180°.



Distance on line =	17.39 chs.
Distance by triangulation =	28.73 chs. ✓
	46.12 chs.
Distance by return measurement =	3.64 chs.
	42.48 chs. ✓

Approximate topography bet. points of triangulation.

- 25.60 Bottom of canyon, 320 ft. below ridge, drains NE.; ascend abruptly over broken N. breaks of canyon.
- 30.00 Sandstone spur, 220 ft. above canyon, projects NE.; descend abruptly.
- 33.00 Sandstone gulch, 100 ft. below spur, drains NE.; ascend gradually over broken sandstone ledges.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. falls in inaccessible ledges.
- 42.48 On broken SE. slope, 100 ft. above gulch.

Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground on bedrock and in a large mound of stone, for witness cor. to the $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$
 S28 | S27
 W C
 1923

Deposit a sandstone, 8 x 8 x 6 ins., at base of post, marked with a cross (X).

No suitable bearing trees available and pits impracticable.

- 46.12 To point of triangulation at top of sandstone spur, 20 ft. above the witness $\frac{1}{4}$ sec. cor., projects N. 60° E.; descend abruptly over broken land.
- 55.00 Draw, 150 ft. below spur, drains N. 70° E.; ascend gradually.
- 80.00 On gentle E. slope, 80 ft. above draw.

SUBDIVISION OF T. 33 S., R. 12 E.

Chains

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for ~~corner of sec. 21~~ 22, 27, and 28, with brass cap marked.

T33S	R12E
S21	S22
S28	S27

1923

From which,

A juniper, 12 ins. diam., bears N. 20° E., 220 lks. dist., marked T33S R12E S22 BT.

A juniper, 10 ins. diam., bears N. 20° W., 166 lks. dist., marked T33S R12E S21 BT.

No other bearing trees available.

Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Land, broken by high ledges with a general northerly exposure and easterly drainage.

Soil, shallow sandy loam, mixed with loose sandstone; 2nd rate.

Undergrowth, scattering shadscale, black and sage brush.

Timber, scattering juniper and pinon.

Good grazing.

S. 89°57' E., on random line bet. secs. 22 and 27.

40.00 Set temp. ¼ sec. cor.

79.70 Intersect the N. and S. line, 28 lks. S. of the cor. of secs. 22, 23, 26, and 27.

Thence,

S. 89°51' W., on true line bet. secs. 22 and 27.

Ascend gradually along rolling top of bench through scattering undergrowth.

39.85 On rolling top of bench, 80 ft. above cor.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for ¼ sec. cor., with brass cap marked.

S22
¼
S27

1923

SUBDIVISION OF T. 33 S., R. 12 E.

79.70 Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. /
The cor. of secs. 21, 22, 27, and 28, 80 ft. above the
 $\frac{1}{4}$ sec. cor.
Land, rolling with a general easterly exposure and drain-
age.
Soil, shallow sandy loam; 2nd rate.
Undergrowth, scattering shadscale and black brush.
No timber.
Fair grazing.

N. $0^{\circ}02'$ W., bet. secs. 21 and 22.
Ascend abruptly over broken land through scattering
timber and undergrowth.
4.00 Base of black trachyte ledge, 150 ft. high, bears NE.
and SW.
6.10 Top of ledge, 200 ft. above cor., bears NE. and SW.;
thence ascend gradually.
10.80 Spur, 50 ft. above top of ledge, projects N. 60° E.;
descend gradually over black trachyte ledges.
18.50 Gulch, 100 ft. below spur, drains E.; ascend abruptly
over ledges.
23.00 Spur, 100 ft. above gulch, projects E.; descend abruptly.
over broken N. breaks of spur.
27.00 Descent becomes more gradual and land becomes more
rolling, bears E. and W.
30.00 Wash, 20 lks. wide, 10 ft. deep, 100 ft. below spur,
drains NE.; thence over rolling land.
36.00 Wash, 30 lks. wide, 10 ft. deep, drains N. 70° E.
40.00 On rolling land.
Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the
ground on bedrock and in a large mound of stone, for
 $\frac{1}{4}$ sec. cor., with brass cap marked.

S21 S22

. SUBDIVISION OF T. 33 S., R. 12 E.

Chains

Deposit a granite, 10 x 10 x 6 ins., at base of post, marked with a cross (X).

No suitable bearing trees available and pits impracticable

45.00 Wash, 50 lks. wide, 20 ft. deep, drains N. 80° E.

52.00 Draw, 50 ft. deep, drains E.

77.00 Ridge, 50 ft. high, bears N. 75° E. and S. 75° W.

80.00 On gentle N. slope, 50 ft. below ridge.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 15, 16, 21, and 22, with brass cap marked.

T33S	R12E
S16	S15
S21	S22

1923

From which,

A juniper limb, 12 ins. diam., bears N. 88° W., 52 lks. dist., marked T33S R12E S16 BT.

No other suitable bearing trees available and pits impracticable.

Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Land, broken on S. portion, rolling on N. portion; general drainage, E.

Soil, shallow sandy loam, mixed with loose trachyte and sandstone: 2nd rate.

Undergrowth, scattering shadscale, sage and black brush.

Timber, scattering juniper and pinon.

Good grazing.

N. 89°51' E., on random line bet. secs. 15 and 22.

40.00 Set temp. ¼ sec. cor.

40.08 Breaks of elongated sandstone butte makes chaining to the E. on line impossible, I therefore traverse along base of N. breaks of butte as follows.

N. 82°00' E., 20.00 chs. thence
S. 82°00' E., 20.00 chs. to

79.70 Point on the N. and S. line, 5 lks. N. of the cor. of secs. 14, 15, 22, and 23.

SUBDIVISION OF T. 33 S., R. 12 E.

Chains

The bearing of this mile, therefore is S. $89^{\circ}53'$ W., and the dist. is 79.70 chs.

Thence,

S. $89^{\circ}53'$ W., on true line bet. secs. 15 and 22.

The line to the W. passes over inaccessible breaks of elongated butte over which I am unable chain; to pass butte, I run on a traverse through scattering undergrowth along base of N. breaks of butte as follows.

N. 82° W., 20.00 chs. thence

S. 82° W., 20.00 chs. to

39.62 Point on true line at base of W. breaks of butte. Butte is 100 ft. high and about 8.00 chs. wide.

39.85 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

S15
 $\frac{1}{4}$
S22
1923

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Thence over rolling land.

76.70 Spur, 30 ft. high, projects NE.; descend gradually.

79.70 The cor. of secs. 15, 16, 21, and 22, 30 ft. below spur. Land, broken on E. portion, rolling on W. portion with a general southeasterly drainage and exposure. Soil, shallow sandy loam; 2nd rate.

Undergrowth, scattering shadscale, sage, and black brush. No timber.

Good grazing.

N. $0^{\circ}02'$ W., bet. secs. 15 and 16.

Descend gradually over broken land through scattering timber and undergrowth.

13.50 Draw, 100 ft. below cor., drains N. 70° E.; ascend gradually.

26.50 Spur, 50 ft. above draw, projects SE.; descend abruptly.

29.00 Draw, 50 ft. below spur, drains SE.; ascend gradually.

SUBDIVISION OF T. 33 S., R. 12 E.

Chains

37.00 Spur, 80 ft. above draw, projects SE.; descend gradually.

39.50 Draw, 30 ft. below spur; drains S. 30° E.; ascend gradually.

40.00 On sandstone surfacerock, 20 ft. above draw; mark a cross (X), over which.

Set an iron post, 3 ft. long, 1 in. diam., in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$
S16 | S15 : : :
1923

No suitable bearing trees available.

46.00 Spur, 30 ft. above the $\frac{1}{4}$ sec. cor., projects SE.; descend gradually.

50.00 Draw, 30 ft. below spur, drains SE.; ascend gradually.

52.00 Sandstone spur, 30 ft. above draw, projects SE.; descend gradually.

56.00 Head of draw, 30 ft. below spur, drains SE.; ascend abruptly.

60.00 Ridge, 60 ft. above draw, bears N. 75° E. and S. 75° W.; descend abruptly.

71.00 Draw, 130 ft. below ridge, drains E.; ascend abruptly over black trachyte and sandstone ledges.

75.00 Spur, 100 ft. above draw, projects NE.; descend abruptly.

80.00 On S. bank of draw, 50 ft. below spur.

Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground on bedrock and in a large mound of stone, for cor. of secs. 9, 10, 15, and 16, with brass cap marked.

T33S | R12E
S9 | S10
S16 | S15
1923

From which,

A juniper, 6 ins. diam., bears N. 11° E., 21 lks. dist., marked T33S R12E S10 BT.

A juniper, 12 ins. diam., bears S. 81° E., 19 $\frac{1}{2}$ lks. dist., marked T33S R12E S15 BT.

SUBDIVISION OF T. 33 S., R. 12 E.

Chains

A juniper limb, 8 ins. diam., bears S. 80° W., 150 lks.
dist., marked T33S R12E S16 BT.

A juniper, 8 ins. diam., bears N. 49° W., 166 lks.
dist., marked T33S R12E S9 BT.

Land, broken with a general easterly exposure and drain-
age.

Soil, shallow sandy loam, mixed with loose sandstone;
2nd rate.

Undergrowth, scattering shadscale, black and sage brush.

Timber, scattering juniper and pinon.

Good grazing.

N. 89°53' E., on random line bet. secs. 10 and 15.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.86 Intersect the N. and S. line, 14 lks. S. of the cor. of
secs. 10, 11, 14, and 15.

Thence,

S. 89°47' W., on true line bet. secs. 10 and 15.

Over rolling land through scattering undergrowth.

13.00 Wash, 60 lks. wide, 30 ft. deep, drains NE.

39.93 On rolling land.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the
ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

S10

$\frac{1}{4}$

S15

1923

Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

54.00 Spur, 40 ft. high, projects S.

62.30 Draw, 40 ft. deep, drains NE.

74.60 Spur, 40 ft. high, projects NE.; descend abruptly over
broken NW. slope.

79.86 The cor. of secs. 9, 10, 15, and 16, 80 ft. below spur.

Land, rolling with a general northeasterly exposure and
drainage.

Soil, shallow sandy loam, mixed with loose sandstone;
2nd rate.

SUBDIVISION OF T. 33 S., R. 12 E.

Chains

Undergrowth, scattering shadscale, sage, and black brush.
No timber.
Good grazing.

N. 0°02' W., bet. secs. 9 and 10.

Descend gradually over broken land through scattering timber and undergrowth.

.20 Draw, 10 ft. below cor., drains NE.; ascend abruptly.

9.50 Ascent becomes more gradual, bears NE. and SW.

25.00 Spur, 100 ft. above cor., projects W.; descend gradually.

40.00 On sandstone surfacerock, 260 ft. below spur, mark a cross (X), over which.

Set an iron post, 3 ft. long, 1 in. diam., in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$
S9 | S10

1923

No suitable bearing trees available.

66.40 Draw, 200 ft. below the $\frac{1}{4}$ sec. cor., drains N. 15° E.; ascend gradually.

67.70 Spur, 20 ft. above draw, projects E.; descend gradually.

70.30 Draw, 40 ft. below spur, drains NE.; ascend gradually.

71.20 Spur, 30 ft. above draw, projects NE.; descend gradually.

80.00 On broken N. slope, 30 ft. below spur.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 3, 4, 9, and 10, with brass cap marked.

T33S | R12E
S4 | S3
S9 | S10

1923

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

No suitable bearing trees available.

Land, broken with a general northeasterly exposure and drainage.

Soil, shallow sandy loam, mixed with loose sandstone and trachytes, 2nd rate.

. SUBDIVISION OF T. 33 S., R. 12 E.

Chains

Undergrowth, scattering shadscale, sage and black brush.

Timbers scattering juniper and pinon.

Good grazing.

N. 89°47' E., on random line bet. secs. 3 and 10.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.86 Intersect the N. and S. line, 3 lks. N. of the cor. of
secs. 2, 3, 10, and 11.

Thence,

S. 89°48' W., on true line bet. secs. 3 and 10.

Descend gradually over broken land through scattering
undergrowth.

7.00 Draw, 30 ft. below cor., drains SE.; continue gradual
descent.

22.50 Trachyte Creek, stream of good water, 3 lks. wide, 2 ins.
deep, in bottom of canyon, 60 ft. below draw, drains
S. 70° E.; ascend gradually over broken N. slope of
canyon.

26.00 Spur, 80 ft. above creek, projects NE.; descend gradually.

30.00 Recross Trachyte Creek, 70 ft. below spur, drains N. 70° E.
ascend gradually along broken N. side of canyon near
creek bottom.

32.23 On broken S. slope, near bottom of of canyon, 60 ft. above
last crossing of Trachyte Creek.

Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the
ground on bedrock and in a large mound of stone, for
 $\frac{1}{4}$ sec. cor., with brass cap marked.

S3
—
S10
1923

From which,

A lone cottonwood, 14 ins. diam., bears S. 61° E.,

6.42 chs. dist., marked $\frac{1}{4}$ S10 BT.

No other suitable bearing trees available and pits
impracticable.

SUBDIVISION OF T. 33 S., R. 12 E.

Chains

211310

Thence descend gradually.

45.80 Recross Trachyte Creek, 40 ft. below the $\frac{1}{4}$ sec. cor.,
drains S. 70° E.; ascend abruptly over sandstone breaks.

46.50 Sandstone ledge, 30 ft. high, bears S. 70° E. and N.
 70° W.

49.00 Gulch, 30 ft. deep, drains N.; 1.50 chs. to Trachyte
Creek.

60.00 Draw, 20 ft. deep, drains NW., 2.00 chs. to Trachyte
Creek.

67.50 Sandstone gulch, 70 ft. deep, drains N. 35° W., 3.00 chs.
to Trachyte Creek.

79.86 The cor. of secs. 3, 4, 9, and 10, 100 ft. above Trachyte
Creek.

Land, broken with a general southerly exposure and
easterly drainage.

Soil shallow sandy loam, mixed with loose sandstone;
2nd rate.

Undergrowth, scattering shadscale, greasewood, sage and
black brush.

Timber, scattering cottonwood along bottom of Trachyte
Creek.

Good grazing.

N. $0^{\circ}10'$ W., on random line bet. secs. 3 and 4.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.66 Intersect the N. bdy. of the township, 6 lks. W. of the
cor. of secs. 3, 4, 33, and 34, which is an iron post,
2 ins. diam., firmly set, extending 2 ins. above ground,
with brass cap marked and witnessed as described in the
notes of the survey of T. 32 S., R. 12 E.

Thence,

S. $0^{\circ}08'$ E., on true line bet. secs. 3 and 4.

Descend gradually over rolling land through scattering
undergrowth.

14.00 Descent becomes more abrupt, bears E. and W.

SUBDIVISION OF T. 33 S., R. 12 E.

Chains

20.20 Draw, 150 ft. below cor., drains NE.; continue gradual descent.

39.66 On gentle S. slope, 40 ft. below draw.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$
 S4/S3
 1923

Deposit a sandstone, 10 x 8 x 8 ins., at base of post, marked with a cross (X).

No other suitable accessories available and pits impracticable.

51.00 Descend becomes more abrupt, bears NE. and SW.

75.00 Trachyte Creek, stream of good water, 3 lks. wide, 2 ins. deep, in bottom of canyon, 200 ft. below the $\frac{1}{4}$ sec. cor. drains E.; ascend abruptly.

79.66 The cor. of secs. 3, 4, 9, and 10, 100 ft. above stream. Land, rolling with a general southerly exposure and drainage.

Undergrowth, scattering shadscale, sage and black brush.

Soil, shallow sandy loam; 2nd rate.

No timber.

Good grazing.

From the cor. of secs. 4, 5, 32, and 33, on the S. bdy. of the township.

N. $0^{\circ}03'$ W., bet. secs. 32 and 33.

Descend abruptly over broken land through scattering timber and undergrowth.

5.50 Gulch, 100 ft. below cor., drains N. 70° E.; ascend gradually.

21.60 Sandstone spur, 20 ft. above gulch, projects E.; descend gradually.

23.00 Draw, 20 ft. below spur, drains E.; ascend abruptly.

38.00 Granite ledge, 20 ft. high, 300 ft. above draw, bears

SUBDIVISION OF T. 33 S., R. 12 E.

Chains

N. 30° E. and S. 30° W.; ascend gradually along broken land near top of ledge.

40.00 On broken E. slope, 20 ft. above ledge.

Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground on bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$
S32 | S33
1923

From which,

A juniper, 8 ins. diam., bears S. 11° W., 70 lks. dist., marked $\frac{1}{4}$ S32 BT.

No other suitable bearing tree available.

From this cor., a house at Hite, Utah, on the N. bank of the Colorado River, bears S. 56°56' E. House is located in sec. 36, T. 34 S., R. 13 E.

A large sandstone rock, known as "The Man in The Rock", bears N. 73°37' E., about 24 miles dist.

41.00 The NE. point of granite spur, 20 ft. above the $\frac{1}{4}$ sec. cor.; descend abruptly.

43.00 Draw, 30 ft. below point of spur, drains E.; ascend abruptly.

47.10 Spur, 40 ft. above draw, projects E.; descend abruptly.

49.50 Draw, 40 ft. below spur, drains E.; ascend abruptly.

52.00 Spur, 40 ft. above draw, projects E.; descend abruptly.

55.00 Draw, 30 ft. below spur, drains E.; ascend abruptly.

57.00 Spur, 30 ft. above draw, projects E.; descend abruptly.

59.00 Draw, 20 ft. below spur, drains E.; ascend abruptly.

61.00 Spur, 30 ft. above draw, projects E.; descend abruptly.

63.00 Draw, 30 ft. below spur, drains NE.; ascend abruptly.

67.00 Ridge, 30 ft. above draw, bears N. 70° E. and S. 70° W.; descend gradually.

73.00 Descent becomes abrupt, bears NE. and SW.

80.00 On steep N. slope, 180 ft. below ridge.

SUBDIVISION OF T. 33 S., R. 12 E.

Chains

Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the ground on bedrock and in a large mound of stone, for cor. of secs. 28, 29, 32, and 33, with brass cap marked.

T33S	R12E
S29	S28
S32	S33

1923

From which,

A pinon, 10 ins. diam., bears S. 26° E., 113 lks. dist., marked T33S R12E S33 BT.

No other suitable bearing trees available.

Deposit a granite, 10 x 10 x 3 ins. at base of post, marked with a cross (X).

Land, broken by granite and sandstone ledges with a general easterly exposure and drainage.

Soil, shallow sandy loam, mixed with white clay, granite and sandstone; 3rd rate.

Undergrowth, scattering shadscale, sage and black brush.

Timber, scattering cedar and pinon.

Good grazing.

East, on random line bet. secs. 28 and 33.

40.00 Set temp. $\frac{1}{2}$ sec. cor.

73.34 Intersect the N. and S. line, at the cor. of secs. 27, 28, 33, and 34.

Thence,

West, on true line bet. secs. 28 and 33.

Descend gradually over broken N. breaks of sandstone gulch through scattering timber and undergrowth.

22.00 Sandstone gulch, 40 ft. below cor., drains N. 70° E.; ascend abruptly over broken N. breaks of gulch.

31.00 Top of sandstone ledges, 70 ft. high, bears NE. and SW.; thence ascend gradually.

38.50 Draw, 300 ft. above gulch, drains SE.; continue gradual ascent.

SUBDIVISION OF T. 33 S., R. 12 E.

Chains

32.27 On broken NE. slope, 20 ft. above gulch.

Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground to bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

S28
 $\frac{1}{4}$
 S33

1225

Deposit a memorial at base of post which is a sandstone, 8 x 8 x 8 ins., marked with a cross (X).

No suitable bearing trees available.

41.00 Same draw as last, 20 ft. above the $\frac{1}{4}$ sec. cor., drains N. 80° E.; ascend abruptly over steep E. slope of ridge.

43.00 Ridge, 250 ft. above draw, bears NE. and SW.; descend abruptly.

79.04 The cor. of secs. 28, 29, 32, and 33, 100 ft. below ridge. Land, broken with a general easterly exposure and drainage. Soil, shallow sandy loam, mixed with loose sandstone and granite; 3rd rate.

Undergrowth, scattering shadscale, sage and black brush.

Timber, scattering juniper and pinon.

Fair grazing.

N. 20° W., bet. secs. 28 and 29.

Descend abruptly over broken land through scattering timber and undergrowth.

1.30 Gulch, 30 ft. below cor., drains N. 70° E.; ascend abruptly over broken E. slope.

24.40 Ridge, 450 ft. above gulch, bears NE. and SW.; descend abruptly.

N. 40 Draw, 100 ft. below ridge, drains NE.; ascend gradually.

40.00 On sandstone surface rock, 50 ft. above draw, mark a cross (X), over which.

Set an iron post, 3 ft. long, 1 in. diam., in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

SUBDIVISION OF T. 35 S., R. 12 E.

S29 | S28

1923

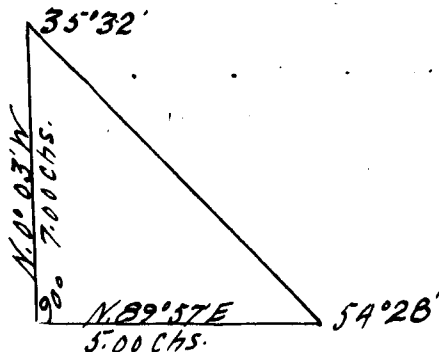
No suitable bearing trees available.

43.80 Ridge, 50 ft. above the $\frac{1}{4}$ sec. cor., bears N. 75° E. and S. 75° W.; descend abruptly.

44.50 Granite ledge, 50 ft. high, bears NE. and SW.

60.00 Gulch, 300 ft. below ledge, drains N. 75° E.; ascend abruptly.

70.00 Base of granite ledge over which I am unable to chain, bears N. 60° E. and S. 60° W., I therefore determine the dist. to top of ledge by triangulation as follows. Erect Flag "A" at the 70.00 chs. point and flag "B" on line N: at top of ledge: From flag "A" measure a base line N. $89^{\circ}57'$ E., 5.00 chs. dist., from which point, flag "B" subtends an angle of $54^{\circ}28'$ from flag "A". All angles by three repetitions with error of $0'20''$ balanced to 180° .



Distance on line =	70.00 chs.
Distance by triangulation =	7.00 chs.
	<u>77.00 chs.</u>

77.00 To point of triangulation at top of ledge, 320 ft. above gulch, bears N. 60° E. and S. 60° W.; thence ascend gradually.

80.00 On broken S. slope, 20 ft. above top of ledge, on granite surfacerock, mark a cross (X), over which.

Set an iron post, 3 ft. long, 2 ins. diam., in a large mound of stone, for cor. of secs. 20, 21, 28, and 29, with brass cap marked.

SUBDIVISION OF T. 33 S., R. 12 E.

Chains

T33S	R12E
S20	S21
S23	S28

1923

No suitable bearing trees available.

Land, broken by granite ledges with a general northeast exposure and drainage.

Soil, shallow sandy loam, mixed with loose sandstone and granite; 3rd rate.

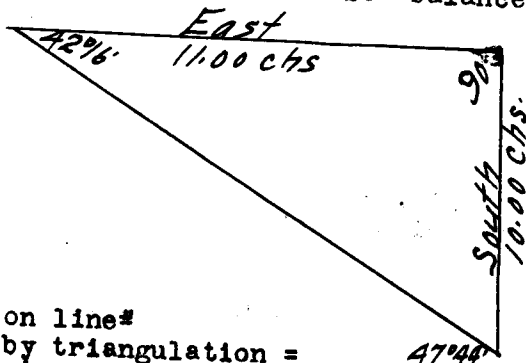
Undergrowth, scattering shadscale, sage and black brush.

Timber, scattering juniper and pinon.

Good grazing.

East on random line bet. secs. 21 and 28.

4.00 Inaccessible ledges make chaining to the E. impossible, I therefore determine the distance by triangulation as follows. Erect flag "A" at the 4.00 chs. point and flag "B" on line to the E. From flag "B", measure a base line S., 10.00 chs. dist., from which point, flag "A" subtend an angle of $47^{\circ}44'$ from flag "B". All angles by three repetitions with error of $0'20''$ balanced to 180°



Distance on line =

Distance by triangulation =

4.00 chs.
11.00 chs.
15.00 chs.

15.00 To point of triangulation.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.12 Intersect the N. and S. line, 23 lks. S. of the cor. of sec. 21, 22, 27, and 28.

Thence,

S. $82^{\circ}50'$ W., on true line bet. secs. 21 and 28.

Ascend abruptly over broken land through scattering timber and undergrowth.

SUBDIVISION OF T. 33 S., R. 12 E.

Chains

- 13.00 Sandstone ledge, 50 ft. high, bears NE. and SW.
 19.50 Enter rolling top of mesa, 300 ft. above cor., bears NE. and SW.; descend gradually along gentle NW. slope of mesa.
 25.50 Descent becomes abrupt, bears NE. and SW.
 40.06 On broken NW. slope, 270 ft. below top of mesa. Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground on bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

S21
 $\frac{1}{4}$
 S28
 1323

From which,

A juniper, 8 ins. diam., bears N. 50° E., 47 lks. dist., marked $\frac{1}{4}$ S21 BT.

A pinon, 6 ins. diam., bears S. 75° E., 44 lks. dist., marked $\frac{1}{4}$ S28 BT.

- 42.00 Draw, 30 ft. below the $\frac{1}{4}$ sec. cor., drains NE.; ascend abruptly.
 65.12 To point of triangulation at base of black granite ledges bears NE. and SW, 450 ft. above the $\frac{1}{4}$ sec. cor.; thence by triangulation.
 76.12 To point of triangulation at top of ledges, 150 ft. above base, bears NE. and SW.; thence ascend gradually.
 80.12 The cor. of secs. 20, 21, 28, and 29, 30 ft. above top of ledges.

Land, broken with a general easterly exposure and a northerly drainage.

Soil, shallow sandy loam, mixed with loose granite and sandstone; 3rd rate.

Undergrowth, scattering shadscale, sage and black brush.

Timber, scattering juniper and pinon.

Good grazing...

SUBDIVISION OF T. 33 S., R. 12 E.

Chains

N. 0°03' W., bet. secs. 20 and 21.

Ascend gradually over broken land through scattering timber and undergrowth.

10.00 Spur, 50 ft. above cor., projects N. 70° E.; descend gradually.

22.00 Draw, 100 ft. below spur, drains NE.; ascend gradually.

32.30 Spur, 30 ft. above draw, projects NE.; descend gradually.

40.00 On gentle N. slope, 80 ft. below spur.

Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground on bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$
 S20 | S21
 1323

From which,

A juniper, 8 ins. diam., bears N. 13° E., 65 lks. dist., marked $\frac{1}{4}$ S21 BT.

A pinon, 6 ins. diam., bears N. 78° W., 5 lks. dist., marked $\frac{1}{4}$ S20 BT.

44.00 Brink of abrupt descent over broken sandstone and granite ledges, bears E. and W.

70.00 Base of abrupt descent, bears E. and W.; descend gradually.

75.00 Draw, 450 ft. below the $\frac{1}{4}$ sec. cor., drains E.; ascend gradually.

80.00 On broken S. slope, 70 ft. above draw.

Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the ground on bedrock and in a large mound of stone, for cor. of secs. 16, 17, 20, and 21, with brass cap marked.

T33S R12E
 S17 | S16
 S20 | S21
 1323

Deposit a granite, 10 x 10 x 8 ins., at base of post, marked with a cross (X).

No suitable bearing trees available.

SUBDIVISION OF T. 33 S., R. 12 E.

Chains

Land, broken with a general northeasterly exposure and drainage.

Soil, shallow sandy loam, mixed with loose sandstone and granite; 3rd rate.

Undergrowth, scattering shadscale, sage and black brush.

Timber, scattering juniper and pinon.

Good grazing.

N. 83°50' E., on random line bet. secs. 16 and 21.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.26 Intersect the N. and S. line, 21 lks. N. of the cor. of secs. 15, 16, 21, and 22.

Thence,

S. 83°53' W., on true line bet. secs. 16 and 21.

Descend gradually over rolling land through scattering timber and undergrowth.

11.50 Draw, 80 ft. below cor., drains NE.; ascend gradually.

30.00 Wash, 20 lks. wide, 15 ft. deep, drains S. 35° E.

32.00 Spur, 20 ft. above draw, projects S.; descend gradually.

40.13 On gentle W. slope, 20 ft. below spur.

Set an iron post, 3ft. long, 1 in. diam., 8 ins. in the ground on bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$$\begin{array}{r} S16 \\ \frac{1}{4} \\ \hline S21 \end{array}$$

1923

Deposit a granite, 10 x 10 x 10 ins., at base of post, marked with a cross (X).

No suitable bearing trees available.

43.00 Head of draw, 20 ft. below the $\frac{1}{4}$ sec. cor., drains SE.; ascend gradually.

42.50 Spur, 50 ft. above draw, projects S. 75° W.; descend gradually.

51.00 Draw, 20 ft. below spur, drains SE.; ascend gradually.

55.00 Spur, 20 ft. above draw, projects SE.; descend gradually.

SUBDIVISION OF T. 33 S., R. 12 E.

Chains

- 71.00 Draw, 40 ft. below spur, drains SE.; ascend gradually.
- 76.00 Spur, 40 ft. above draw, projects S.; descend gradually.
- 80.26 The cor. of secs. 16, 17, 20, and 21, 40 ft. below spur. Land, rolling with a general southeasterly exposure and drainage.
Soil, shallow sandy loam, mixed with loose sandstone; 2nd rate.
Undergrowth, scattering shadscale, sage and black brush.
Timber, scattering juniper and pinon.
Good grazing.

N. 0°03' W., bet. secs. 16 and 17.

Ascend abruptly over broken land through scattering timber and undergrowth.

- 8.00 Spur, 200 ft. above cor., projects N. 60° E.; descend gradually.

- 21.70 Draw, 150 ft. below spur, drains NE.; ascend gradually.

- 32.00 Enter rolling top of spur, 100 ft. above draw, bears E. and W.; thence over rolling top of spur.

- 40.00 On rolling top of spur, projects E.; on sandstone surface rock, mark a cross (X), over which.

Set an iron post, 3 ft. long, 1 in. diam., in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$
S17 | S16

1923

No suitable bearing trees available.

Thence descend abruptly over N. slope of spur.

- 52.60 Draw, 150 ft. below the $\frac{1}{4}$ sec. cor., drains NE.; continue gradual descent.

- 60.70 Draw, 40 ft. below last draw, drains NE.; continue gradual descent.

- 80.00 On gentle N. slope, 40 ft. below draw.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 8, 9, 16, and 17, with brass cap marked.

SUBDIVISION OF T. 33 S., R. 12 E.

Chains

T33S	R12E
S8	S9
S17	S16

1923

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

No suitable bearing trees available.

Land, broken with a general easterly exposure and drainage.

Soil, shallow sandy loam, mixed with loose sandstone and granite.

Undergrowth, scattering shadscale, sage, bitter, and black brush.

Timber, scattering juniper and pinon.

Good grazing.

N. $89^{\circ}59'$ E., on random line bet. secs. 9 and 16.

40.00 Set temp. $\frac{1}{4}$ sec. cor.,

80.14 Intersect the N. and S. line, 12 lks. S. of the cor. of secs. 9, 10, 15, and 16.

Thence,

S. $89^{\circ}54'$ W., on true line bet. secs. 9 and 16.

Descend gradually over rolling land through scattering timber and undergrowth.

.20 Draw, 5 ft. below cor., drains NE.; continue gradual descent.

4.80 Draw, 20 ft. below last draw, drains N. 60° W.; ascend gradually.

14.40 Spur, 40 ft. above draw, projects NW.; descend gradually.

25.00 Draw, 40 ft. below spur, drains N.; ascend gradually.

40.07 On gentle E. slope, 40 ft. above draw.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

S9

S16

1923

SUBDIVISION OF T. 33 S., R. 12 E.

Chains

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
No suitable bearing trees available.

62.00 Brink of mesa, 80 ft. above the $\frac{1}{4}$ sec. cor., bears N. and
S.; thence over level top of mesa.

68.00 Brink of abrupt descent from mesa, bears N. and S.

77.50 Draw, 220 ft. below mesa, drains NE.; ascend gradually.

80.14 The cor. of secs. 8, 9, 16, and 17, 20 ft. above draw.
Land, rolling with a general easterly exposure and drainage.

Soil, shallow sandy loam, mixed with loose sandstone and
granite; 2nd rate.

Undergrowth, scattering shadscale, bitter, sage, and
black brush.

Timber, scattering juniper and pinon.

Good grazing.

N. $0^{\circ}03'$ W., bet. secs. 8 and 9.

Ascend gradually over rolling land through scattering
timber and undergrowth.

15.70 Wash, 30 lks. wide, 6 ft. deep, drains NE.; ascent
becomes more abrupt, bears NE. and SW.

35.00 Ascent becomes more gradual, bears E. and W.

36.00 Ridge, 250 ft. above cor., bears E. and W.; descend
gradually.

40.00 On rolling land, 20 ft. below ridge.

Set an iron post, 3 ft. long, 1 ins. diam., 27 ins. in the
ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

S8 S9

1923

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
No suitable bearing trees available.

53.00 Draw, 130 ft. below the $\frac{1}{4}$ sec. cor., drains NW.; ascend
gradually.

63.40 Ridge, 40 ft. above draw, bears E. and W.; descend
gradually.

SUBDIVISION OF T. 33 S., R. 12 E.

Chains

80.00 On rolling N. slope, 30 ft. below ridge.
Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 4, 5, 8, and 9, with brass cap marked.

T33S	R12E
S5	S4
S8	S9
1923	

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
No suitable bearing trees available.

Land, rolling with a general westerly exposure and drainage.

Soil, shallow sandy loam, mixed with loose sandstone and granite; 2nd rate.

Undergrowth, scattering shadscale, sage, bitter, and black brush.

Timber, scattering juniper and pinon.

Good grazing.

N. $89^{\circ}54'$ E., on random line bet. secs. 4 and 9.

40.00 Set temp. $\frac{1}{4}$ sec. cor.,

80.14 Intersect the N. and S. line, 16 lks. S. of the cor. of secs. 3, 4, 9, and 10.

Thence,

S. $89^{\circ}47'$ W., on true line bet. secs. 4 and 9.

Descend gradually over rolling land through scattering timber and undergrowth.

11.60 Draw, 70 ft. below cor., drains N. 10° E.; ascend gradually.

14.50 Spur, 30 ft. above draw, projects N. 30° E.; descend gradually.

26.00 Bend in Trachyte Creek, stream of good water, 3 lks. wide, 2 ins. deep, in canyon, 100 ft. below spur, drains from NW. to NE.; ascend gradually.

39.70 Draw, 15 ft. deep, drains N.; continue gradual ascent.

40.07 On rolling land, 130 ft. above Trachyte Creek.

SUBDIVISION OF T. 35 S., R. 12 E.

Chains

Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground on bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$ S4
S9

1923

From which,

A juniper, 6 ins. diam., bears N. $41^{\circ}15'$ E., 262 lks. dist., marked $\frac{1}{4}$ S4 BT.

A juniper, 6 ins. diam., bears S. 27° W., 82 lks. dist., marked $\frac{1}{4}$ S9 BT.

66.70 Draw, 20 ft. deep, drains N. 15° E.; continue gradual ascent.

80.14 The cor. of secs. 4, 5, 8, and 9, 160 ft. above the $\frac{1}{4}$ sec. cor.

Land, rolling with a general northerly exposure and drainage.

Soil, shallow sandy loam, mixed with loose sandstone; 2nd rate.

Undergrowth, scattering shadscale, rabbit, bitter, sage, and black brush.

Timber, scattering juniper and pinon.

Good grazing.

N. $0^{\circ}08'$ W., on random line bet. secs. 4 and 5.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.80 Intersect the N. bdy. of the township, 26 lks. W. of the cor. of secs. 4, 5, 32, and 33, which is an iron post, 2 ins. diam., firmly set, extending 9 ins. above ground, with brass cap marked and witnessed as described in the note of the survey of T. 32 S., R. 12 E.

Thence,

S. $0^{\circ}03'$ W., on true line bet. secs. 4 and 5.

Over rolling bench land through scattering undergrowth.

39.80 On rolling top of bench.

SUBDIVISION OF T. 33 S., R. 12 E.

Chains

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$
 S5 | S4
 1923

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

42.00 Brink of abrupt descent from bench, bears NE. and SW.

63.00 Trachyte Creek, stream of good water, 3 lks. wide, 2 ins. deep, in canyon, 200 ft. below bench, drains E.; ascend gradually.

79.80 The cor. of secs. 4, 5, 8, and 9, 200 ft. above stream. Land, rolling with a general easterly exposure and drainage.

Soil, shallow sandy loam, mixed with loose sandstone and granite; 2nd rate.

Undergrowth, scattering shadscale, sage and black brush.

Timber, none.

Good grazing.

From the cor. of secs. 5, 6, 31, and 32, on the S. bdy. of the township.

N. $0^{\circ}03'$ W., bet. secs. 31 and 32.

Descend gradually over broken land through scattering timber and undergrowth.

5.00 Gulch, 60 ft. below cor., drains SE.; ascend gradually.

11.00 Spur, 60 ft. above gulch, projects SE.; timber becomes dense, bears SE. and NW.; descend gradually.

18.00 Gulch, 50 ft. below spur, drains SE.; ascend gradually.

25.00 Spur, 60 ft. above gulch, projects SE.; descend gradually.

32.00 Gulch, 30 ft. below spur, drains SE.; ascend gradually, through scattering timber.

40.00 On broken S. slope, 60 ft. above gulch.

Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground on bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

SUBDIVISION OF T. 33 S., R. 12 E.

Chains

S31/S32

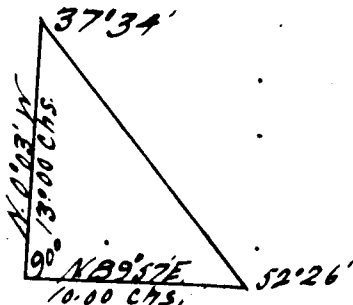
1323

Deposit a sandstone, 12 x 10 x 4 ins., at base of post, marked with a cross (X).

No suitable bearing trees available.

43.00 Ascend becomes abrupt, bears E. and W.

70.00 Base of inaccessible black trachyte ledge over which I am unable to chain, i therefore determine the dist. by triangulation as follows. Erect flag "A" at the 70.00 chs. point and flag "B" on line to the N. at top of ledge. From flag "A", measure a base line, N. 89°57' E., 10.00 chs. dist., from which point, flag "B" subtends an angle of 52°26' from flag "A". All angles by three repetitions with error of 0'20" balanced to 180°.



Distance on line=

Distance by triangulation =

70.00 chs.
13.00 chs. /
83.00 chs. -

Approximate topography bet. points of traingulation.

80.00 Point for the sec. cor. falls in inaccessible ledges.

83.00 To point of triangulation at top of ledge, 800 ft. above the 1/2 sec. cor., bears E. and W.; at this point on granite surfacerock, mark a cross (X), over which Set an iron post, 3 ft. long, 2 ins. diam., in a large mound of stone, for witness cor. to the cor. of secs. 29, 30, 31, and 32, with brass cap marked.

T33S/R12E
S30 S29

S31 S32
W C

1323

No suitable bearing trees available.

SUBDIVISION OF T. 33 S., R. 12 E.

Chains

Land, broken with a general southeasterly exposure and drainage.

Soil, shallow sandy loam, mixed with white clay, sandstone, and granite; 3rd rate.

and dense Undergrowth, scattering/shadscale, rabbit, bitter, sage, and black brush. Good grazing.

Timber, scattering juniper and pinon on N. and S. portions of mile; dense from 11.00 to 32.00 chs. points.

East, on random line bet. secs. 29 and 32.

It being impossible to chain E. from the true point for cor. of secs. 29, 30, 31, and 32, I offset as follows, counting distances from the true cor. point.

South, 10.00 chs.

East, 15.00 chs.

North, 10.00 chs. to

15.00 Point on true random line.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.00 Intersect the N. and S. line, at the cor. of secs. 28, 29, 32, and 33.

Thence,

West, on true line bet. secs. 29 and 32.

Descend abruptly over broken land through scattering undergrowth and dense timber.

4.00 Gulch, 50 ft. below cor., drains N. 70° E.; ascend abruptly.

27.50 Spur, 350 ft. above gulch, projects S. 30° W.; descend gradually.

38.00 Draw, 50 ft. below spur, drains SE.; ascend gradually.

40.00 On broken land, 30 ft. above draw.

Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground on bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

S29

$\frac{1}{4}$

S32

1923

SUBDIVISION OF T. 35 S., R. 12 E.

Chains	
	<p>From which,</p> <p>A juniper, 12 ins. diam., bears S. 65° W., 12 lks. dist., marked $\frac{1}{4}$ S32 BT.</p> <p>A pinon, 10 ins. diam., bears N. 20° W., 27 lks. dist., marked $\frac{1}{4}$ S29 BT.</p>
41.00	Ascent becomes abrupt, bears NE. and SW.
65.00	<p>To point of offset, at base of inaccessible black granite ledge, bears NE. and SW.; thence on offset line as follows.</p> <p>South, 10.00 chs.</p> <p>West, 15.00 chs.</p> <p>North, 10.00 chs. to</p>
80.00	<p>The true point for cor. of secs. 29, 30, 31, and 32, 1150 ft. above the $\frac{1}{4}$ sec. cor.</p> <p>Land, broken with a general easterly exposure and drainage.</p> <p>Soil, shallow sandy loam, mixed with loose sandstone and granite; 3rd rate.</p> <p>Undergrowth, scattering shadscale, sage, bitter, ribbit, and black brush.</p> <p>Timber, dense juniper and pinon.</p> <p>Good grazing.</p>
	<hr/> <p>West, on random line bet. secs. 30 and 31.</p> <p>It being impossible to run W. from the true point for the cor. of secs. 29, 30, 31, and 32, I commence at a point 2.80 chs. N. of the true cor. point; thence W. on offset line.</p>
12.00	Offset S. 2.80 chs. to true random line.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
72.04	<p>Intersect the W. bdy. of the township, 10 lks. N. of the cor. of secs. 25, 30, 31, and 36, which is an iron post, 2 ins. diam., firmly set, extending 6 ins. above a mound of stone, with brass cap marked and witnessed as described in the notes of the survey of T. 35 S., R. 11 E.</p> <p>Thence.</p>

SUBDIVISION OF T. 33 S., R. 12 E.

N. 82°56' E., on true line bet. secs. 30 and 31.

Descend gradually over broken land through dense timber and scattering undergrowth.

1.50 Draw, 20 ft. below cor., drains SW.; ascend abruptly.

27.80 Top of main ridge of the Henry Mountains at the E. end of the Henry Mountains range, 320 ft. above draw, bears S. 60° E. and N. 60° W.; descend gradually.

32.04 On broken N. slope, 80 ft. below ridge.

Set an iron post, 3 ft. long, 1 ins. diam., 10 ins. in the ground on bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

S30

$\frac{1}{4}$

S31

1923

From which,

A pinon, 8 ins. diam., bears N. 62° W., 160 lks. dist., marked $\frac{1}{4}$ S30 BT.

No other suitable bearing trees available.

Deposit a granite, 8 x 8 x 8 ins., at base of post, marked with a cross (X).

43.00 Draw, 50 ft. below the $\frac{1}{4}$ sec. cor., drains N.; ascend gradually.

47.00 Spur, 50 ft. above draw, projects N.; descend gradually.

51.00 Draw, 60 ft. below spur, drains N.; ascend abruptly.

67.04 To point of offset at top of main ridge of Henry Mountains, 300 ft. above draw, bears N. 60° E. and S. 60° W.; thence on offset line as follows to avoid inaccessible breaks on S. side of ridge.

North, 2.80 chs.

East, 12.00 chs. to

79.04 Point 20 lks. S. of the witness cor. to the cor. of secs. 29, 30, 31, and 32, which is 3.00 chs. N. 0°03' W., of its true position.

Land, broken, with a general northerly exposure and drainage.

SUBDIVISION OF T. 33 S., R. 12 E.

Chains

Soil, shallow sandy loam, mixed with loose sandstone and granite; 2nd rate.

Undergrowth, scattering shadscale, sage, bitter, rabbit, and black brush.

Timber, dense juniper and pinon.

Good grazing.

N. 0°03' W., bet. secs. 22 and 30, counting dist. from the true cor. point.

Ascend abruptly over broken land through scattering undergrowth and dense timber.

3.00 The witness cor. to the cor. of secs. 22, 30, 31, and 32.

4.80 Top of the main ridge of the Henry Mountains, 80 ft. above the witness cor., bears E. and W.; descend abruptly over broken ... breaks of ridge.

5.50 Top of black trachyte ledge, 50 ft. high, bears E. and W.; descend abruptly over loose sliderock.

10.00 Leave sliderock and ledges, bears E. and W.; descent becomes more gradual.

27.00 Draw, 560 ft. below ridge, drains N. 60° E. ; ascend gradually.

40.00 On top of ridge, 50 ft. above draw, bears NE. and SW.

Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground on bedrock and in a large mound of stone, for $\frac{1}{2}$ sec. cor., with brass cap marked.

S30 S29

1923

From which,

A pinon, 10 ins. diam., bears N. 62° E., 13 lks. dist., marked $\frac{1}{2}$ S29 BT.

A pinon, 6 ins. diam., bears S. 88° W., 44 lks. dist., marked $\frac{1}{2}$ S30 BT.

Thence, descend abruptly.

58.00 Draw, 200 ft. below ridge, drains NE.; ascend abruptly.

SUBDIVISION OF T. 33 S., R. 12 E.

Chains

70.00 Spur, 150 ft. above draw, projects NE.; descend abruptly.

76.00 Gulch, 100 ft. below spur, drains NE.; ascend abruptly.

80.00 On steep SE. slope, 80 ft. above gulch.

Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the ground on bedrock and in a large mound of stone, for cor. of secs. 19, 20, 29, and 30, with brass cap marked.

T33S	R12E
S19	S20
S30	S29
1923	

From which,

A pinon, 10 ins. diam., bears N. 64° E., 64 lks.

dist., marked T33S R12E S20 BT.

A juniper, 12 ins. diam., bears S. 43° E., 150 lks.

dist., marked T33S R12E S29 BT.

A pinon, 6 ins. diam., bears S. 32° W., 70 lks.

dist., marked T33S R12E S30 BT.

A juniper, 10 ins. diam., bears N. 84° W., 93 lks.

dist., marked T33S R12E S19 BT.

Land, broken with a general northerly exposure and drainage.

Soil, shallow sandy loam, mixed with loose sandstone and granite; 2nd rate.

Undergrowth, scattering shadscale, sage, black and bitter brush.

Timber, dense juniper and pinon.

Good grazing.

East, on random line bet. secs. 20 and 29.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.00 Intersect the N. and S. line at the cor. of secs. 20, 21, 28, and 29.

Thence,

West, on true line bet. secs. 20 and 29.

Ascend gradually over broken land through scattering undergrowth and dense timber.

SUBDIVISION OF T. 33 S., R. 12 E.

Chains	
12.00	Spur, 100 ft. above cor., projects S.; descend abruptly.
20.00	Head of draw, 150 ft. below spur, drains S.; ascend gradually.
25.00	Ridge, 50 ft. above draw, bears NE. and SW.; descend abruptly.
40.00	On broken W. slope, 150 ft. below ridge. Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground on bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.
	$\begin{array}{r} S20 \\ \frac{1}{4} \\ \hline S29 \\ 1923 \end{array}$
	From which, A juniper, 8 ins. diam., bears N. 1° E., 71 lks. dist., marked $\frac{1}{4}$ S20 BT. A juniper, 10 ins. diam., bears S. 77° E., 78 lks. dist., marked $\frac{1}{4}$ S29 BT.
50.00	Draw, 150 ft. below the $\frac{1}{4}$ sec. cor., drains NW.; ascend gradually.
54.00	Spur, 30 ft. above draw, projects NW.; descend gradually.
60.00	Draw, 50 ft. below spur, drains N.; ascend gradually.
64.00	Spur, 50 ft. above draw, projects N.; descend gradually.
70.00	Draw, 50 ft. below spur, drains NE.; ascend abruptly.
80.00	The cor. of secs. 13, 20, 29, and 30, 100 ft. above draw. Land, broken with a general northwesterly exposure and drainage. Soil, shallow sandy loam, mixed with loose sandstone and granite; 2nd rate. Undergrowth, scattering shadscale, black, sage and bitter brush. Timber, dense juniper and pinon. Good grazing.

SUBDIVISION OF T. 33 S., R. 12 E.

Chains

bars

S. 83°56' W., on random line bet. secs. 19 and 30.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

78.80 Intersect the W. bdy. of the township, 10 lks. S. of the cor. of secs. 19, 24, 25, and 30, which is an iron post, 2 ins. diam., firmly set, extending 6 ins. above a mound of stone, with brass cap marked and witnessed as described in the notes of the survey of T. 33 S., R. 11 E.

Thence,

East, on true line bet. secs. 19 and 30.

Descend gradually over broken land through scattering undergrowth and dense timber.

1.80 Gulch, 20 ft. below cor., drains NE.; ascend gradually.

11.80 Spur, 70 ft. above gulch, projects NE.; descend gradually.

18.00 Gulch, 70 ft. below spur, drains NE.; ascend abruptly.

31.00 Spur, 150 ft. above gulch, projects N.; descend gradually.

38.80 On broken N. slope, 50 ft. below spur.

Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground on bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

S19
 $\frac{1}{4}$
S30
1923

From which,

A pinon, 6 ins. diam., bears N. 6° E., 26 lks. dist., marked $\frac{1}{4}$ S19 BT.

A pinon, 8 ins. diam., bears S. 54° E., 100 lks. dist., marked $\frac{1}{4}$ S30 BT.

58.80 Head of draw, 150 ft. below the $\frac{1}{4}$ sec. cor., drains NE.; ascend abruptly.

72.00 Ridge, 350 ft. above draw, bears N. 60° E. and S. 60° W. descend abruptly.

78.80 The cor. of secs. 19, 20, 29, and 30, 200 ft. below ridge. Land, broken with a general northeasterly exposure and drainage.

SUBDIVISION OF T. 33 S., R. 12 E.

Chains

Soil, shallow sandy loam, mixed with loose sandstone and granite; 2nd rate.

Undergrowth, scattering shadscale, sage, black and bitter brush.

Timber, dense juniper and pinon.

Good grazing.

N. 0°03' W., bet. secs. 19 and 20.

Ascend abruptly over broken land through scattering undergrowth and dense timber.

7.20 Ridge, 80 ft. above cor., bears N. 60° E. and S. 60° W.; descend abruptly.

30.00 Draw, 680 ft. below ridge, drains NE.; ascend abruptly.

35.00 Top of abrupt ascent, bears E. and W.; thence ascend gradually.

40.00 On rolling land, 100 ft. above draw.

Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground on bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$
S19 | S20
1923

From which,

A juniper, 10 ins. diam., bears N. 67° E., 48 lks. dist., marked $\frac{1}{4}$ S20 BT.

A pinon, 8 ins. diam., bears S. 31° W., 84 lks. dist., marked $\frac{1}{4}$ S19 BT.

48.50 Ridge, 40 ft. above the $\frac{1}{4}$ sec. cor., bears NE. and SW.; descend gradually.

58.00 Draw, 60 ft. below ridge, drains NE.; ascend gradually.

60.20 Ridge, 40 ft. above draw, bears NE. and SW.; descend abruptly.

80.00 On broken NW. slope, 160 ft. below ridge.

Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground on bedrock and in a large mound of stone, for cor. of secs. 17, 18, 19, and 20, with brass cap marked.

SUBDIVISION OF T. 33 S., R. 12 E.

Chains

T33S	R12E
S18	S17
S19	S20
1923	

From which,

A pinon, 8 ins. diam., bears N. 65° E., 143 lks. dist.,
marked T33S R12E S17 BT.

A pinon, 8 ins. diam., bears S. 22° E., 73 lks. dist.,
marked T33S R12E S20 BT.

A pinon, 10 ins. diam., bears S. 17° W., 166 lks. dist.,
marked T33S R12E S19 BT.

A pinon, 10 ins. diam., bears N. 30° W., 150 lks. dist.,
marked T33S R12E S18 BT.

Land, broken with general northeasterly exposure and
drainage.

Soil, shallow sandy loam, mixed with loose sandstone and
granite; 2nd rate.

Undergrowth, scattering shadscale, sage, rabbit, bitter
and black brush.

Timber, dense cedar and pinon.

East, on random line bet. secs. 17 and 20.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.00 Intersect the N. and S. line, 18 lks. S. of the cor. of
secs. 16, 17, 20, and 21.

Thence, /

S. 89°52' W., on true line bet. secs. 17 and 20.

Ascend gradually over broken land through scattering
timber and undergrowth.

3.10 Draw, 20 ft. deep, drains SE.; continue gradual ascent.

13.00 Spur, 200 ft. above cor., projects SE.; descend gradually.

17.80 Draw, 140 ft. below spur, drains NE.; ascend gradually.

25.50 Spur, 140 ft. above draw, projects NE.; continue gradual
ascent.

32.80 Spur, 50 ft. above last spur, projects N. 60° E.; descend
gradually.

SUBDIVISION OF T. 33 S., R. 12 E.

Chains

40.00 On broken land, 50 ft. below spur.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

S17
 $\frac{1}{4}$
S20

1923.

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
No suitable bearing trees available.

40.80 Draw, 10 ft. below the $\frac{1}{4}$ sec. cor., drains NE.; ascend gradually.

50.00 Spur, 70 ft. above draw, projects NE.; continue gradual ascent.

63.60 Spur, 100 ft. above last spur, projects NE.; descend gradually.

80.00 The cor. of secs. 17, 18, 19, and 20, 100 ft. below spur.
Land, broken with a general easterly exposure and drainage.
Soil, shallow sandy loam, mixed with loose sandstone and granite; 2nd rate.

Undergrowth, scattering shadscale, bitter, sage, and black brush.

Timber, scattering juniper and pinon.

Good grazing.

West, on random line bet. secs. 18 and 19.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

78.87 Intersect the W. bdy. of the township, 10 lks. N. of the cor. of secs. 13, 18, 19, and 24, which is an iron post, 2 ins. diam., firmly set, extending 6 ins. above a mound of stone, with brass cap marked and witnessed as described in the notes of the survey of T. 33 S., R. 11 E.

Thence,

N. $89^{\circ}56'$ E., on true line bet. secs. 18 and 19.

Ascend gradually over rolling land through scattering timber and undergrowth.

SUBDIVISION OF T. 33 S., R. 12 E.

Chains	
5.00	Spur, 70 ft. above cor., projects N.; thence descend gradually along top of spur projecting E.
21.00	Leave top of spur at E. point; thence descend more abruptly.
37.90	Draw, 100 ft. below spur, drains NE.; ascend gradually.
38.87	On limestone surfacerock, 60 ft. above draw; mark a cross (X), over which. Set an iron post, 3 ft. long, 1 in. diam., in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.
	$\begin{array}{r} S18 \\ \frac{1}{4} \hline S19 \\ 1923 \end{array}$
	No suitable bearing trees available.
61.00	Spur, 40 ft. above the $\frac{1}{4}$ sec. cor., projects NE.; descend gradually.
75.40	Draw, 100 ft. below spur, drains NE.; ascend gradually.
78.87	The cor. of secs. 17, 18, 19, and 20, 30 ft. above draw. Land, rolling with a general easterly exposure and drainage. Soil, shallow sandy loam, mixed with loose sandstone; 2nd rate. Undergrowth, scattering shadscale, sage, bitter and black brush. Timber, scattering juniper and pinon. Good grazing.
	N. 0°03' W., bet. secs. 17 and 18..
	Descend gradually over broken land through scattering timber and undergrowth.
3.50	The junction of two gulches, drains E. from NW. and SW.; 40 ft. below cor.; ascend abruptly.
10.80	Spur, 150 ft. above gulch, projects E.; descend gradually.
14.40	Head of draw, 80 ft. below spur, drains E.; ascend gradually.

SUBDIVISION OF T. 33 S., R. 12 E.

Chains

25.00 Ridge, 100 ft. above draw, bears S. 75° E. and N. 75° W. descend gradually.

29.00 Draw, 60 ft. below ridge, drains N. 70° E.; ascend gradually.

40.00 On top of ridge 40 ft. above draw, bears N. 70° E. and S. 70° W.

Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, on bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$
 S18 | S17
 1923

From which, .
 .A juniper, 10 ins. diam., bears N. 77° E., 145 lks. dist., marked $\frac{1}{4}$ S17 BT.

No other suitable bearing tree available.

Deposit a sandstone, 8 x 8 x 6 ins., at base of post, marked with a cross (X).

Thence descend abruptly.

58.00 Sandstone gulch, 200 ft. below the $\frac{1}{4}$ sec. cor., drains N. 70° E.; ascend abruptly.

63.30 Spur, 180 ft. above gulch. projects E.; descend abruptly.

73.00 Gulch, 180 ft. below spur, drains E.; ascend abruptly.

80.00 On broken SE. slope, 130 ft. above gulch.

Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the ground on bedrock and in a large mound of stone, for cor. of secs. 7, 8, 17, and 18, with brass cap marked.

T33S | R12E
 S7 | S8
 S18 | S17
 1923

Deposit a sandstone, 8 x 8 x 8 ins., at base of post, marked with a cross (X).

No suitable bearing trees available.

Land, broken, with a general easterly exposure and drainage.

SUBDIVISION OF T. 33 S., R. 12 E.

Chains

25.00 Ridge, 100 ft. above draw, bears S. 75° E. and N. 75° W.; descend gradually.

29.00 Draw, 60 ft. below ridge, drains N. 70° E.; ascend gradually.

40.00 On top of ridge 40 ft. above draw, bears N. 70° E. and

S. 70° W.

Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground on bedrock and in a large mound of stone, for

$\frac{1}{4}$ sec. cor.; with brass cap marked.

$\frac{1}{4}$
S18 | S17
1923

From which,

A juniper, 10 ins. diam., bears N. 77° E., 145 lks. dist., marked $\frac{1}{4}$ S17 BT.

No other suitable bearing tree available.

Deposit a sandstone, 8 x 8 x 6 ins., at base of post,

marked with a cross (X).

Thence descend abruptly.

58.00 Sandstone gulch, 200 ft. below the $\frac{1}{4}$ sec. cor., drains N. 70° E.; ascend abruptly.

63.30 Spur, 180 ft. above gulch. projects E.; descend abruptly.

73.00 Gulch, 180 ft. below spur, drains E.; ascend abruptly.

80.00 On broken SE. slope, 130 ft. above gulch.

Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the ground on bedrock and in a large mound of stone, for cor. of secs. 7, 8, 17, and 18, with brass cap marked.

T33S R12E
S7 S8
S18 S17
1923

Deposit a sandstone, 8 x 8 x 8 ins., at base of post, marked with a cross (X).

No suitable bearing trees available.

Land, broken, with a general easterly exposure and drainage.

SUBDIVISION OF T. 33 S., R. 12 E.

Chains

Soil, shallow sandy loam, mixed with loose sandstone;
2nd rate.

Undergrowth, scattering shadscale, sage, black, and
bitter brush.

Timber, scattering juniper and pinon.

Good grazing.

N. $89^{\circ}56'$ W., on random line bet. secs. 7 and 18.

40.00 Set temp. $\frac{1}{4}$ sec. cor.,

78.62 Intersect the W. bdy. of the township, 13 lks. N. of the
cor. of secs. 7, 12, 13, and 18, which is an iron post,
2 ins. diam., firmly set, extending 6 ins. above a mound
of stone, with brass cap marked and witnessed as described
in the notes of the survey of T. 33 S., R. 12 E.

Thence,

N. $89^{\circ}56'$ E., on true line bet. secs. 7 and 18.

Ascend gradually over broken land through scattering
timber and undergrowth.

14.60 Ridge, 80 ft. above cor., bears N. 80° E. and S. 80° W.;
old wood road on ridge, bears with ridge; descend
gradually.

38.62 On broken SE. slope, 120 ft. below ridge.

Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the
ground on bedrock and in a large mound of stone, for
 $\frac{1}{4}$ sec. cor., with brass cap marked.

$$\begin{array}{r} S7 \\ \frac{1}{4} \\ \hline S18 \\ 1223 \end{array}$$

From which,

A pinon, 8 ins. diam., bears N., 5 lks. dist.,
marked $\frac{1}{4}$ S7 BT.

A juniper, 8 ins. diam., bears S. 18° E., 48 lks.
dist., marked $\frac{1}{4}$ S18 BT.

42.60 Gulch, 40 ft. below the $\frac{1}{4}$ sec. cor., drains NE.; continue
gradual descent.

SUBDIVISION OF T. 33 S., R. 12 E.

- 33.60 Recross same gulch, 60 ft. below last crossing, drains SE.; ascend gradually.
- 35.60 Spur, 50 ft. above gulch, projects S.; descend gradually.
- 78.62 The cor. of secs. 7, 8, 17, and 18, 110 ft. below spur. Land, broken with a general southeasterly exposure and drainage.
- Soil, shallow sandy loam, mixed with loose sandstone; 2nd rate.
- Undergrowth, scattering shadscale, black, bitter, sage and rabbit brush.
- Timber, scattering juniper and pinon.
- Good grazing.

N. 0°03' W., bet. secs. 7 and 8.

Ascend gradually over broken land through scattering timber and undergrowth.

- 4.00 Ridge, 60 ft. above cor., bears NE. and SW.; descend abruptly.
- 26.00 Gulch, 160 ft. below ridge, drains NE.; ascend gradually.
- 30.40 Spur, 50 ft. above gulch, projects NE.; old wood road on spur, bears NE. and SW.; descend abruptly.
- 36.00 Gulch, 120 ft. below spur, drains NE.; ascend gradually.
- 40.00 On broken land, 30 ft. above gulch.

Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground on bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$
 S7 | S8
 1923

From which,

A juniper, 10 ins. diam., bears N. 87° E., 43 lks. dist., marked $\frac{1}{4}$ S8 BT.

A juniper, 10 ins. diam., bears S. 25° W., 133 lks. dist., marked $\frac{1}{4}$ S7 BT.

- 46.00 Spur, 50 ft. above the $\frac{1}{4}$ sec. cor., projects E.; descend abruptly.

SUBDIVISION OF T. 55 S., R. 12 E.

Chains

- 58.00 Sandstone gulch, 250 ft. below spur, drains E.; ascend abruptly.
- 68.00 Spur, 100 ft. above gulch, projects E.; descend gradually.
- 73.00 Draw, 60 ft. below spur, drains E.; ascend gradually.
- 80.00 On gentle E. slope, 50 ft. above draw.

Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground on bedrock and in a large mound of stone, for cor. of secs. 5, 6, 7, and 8, with brass cap marked.

T33S	R12E
S6	S5
S7	S8

1923

Deposit a sandstone, 8 x 8 x 6 ins., at base of post, marked with a cross (X).

No suitable bearing trees available and pits impracticable.

Land, broken with a general northeasterly exposure and drainage.

Soil, shallow sandy loam, mixed with loose sandstone; 2nd rate.

Undergrowth, scattering shadscale, black, sage and bitter brush.

Timber, scattering juniper and pinon.

Good grazing.

N. 89°47' E., on random line bet. secs. 5 and 8.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.

- 79.96 Intersect the N. and S. line, 19 lks. N. of the cor. of secs. 4, 5, 8, and 9.

Thence,

S. 89°55' W., on true line bet. secs. 5 and 8.

Descend gradually over broken land through scattering timber and undergrowth.

- 8.90 Rim of draw, bears N. and S.; descent becomes abrupt.
- 11.00 Draw, 90 ft. below cor.; drains N.; ascend gradually.
- 12.50 Spur, 30 ft. above draw; projects N.; descend gradually.
- 14.00 Draw, 70 ft. below spur, drains N. 30° E.; ascend abruptly.

SUBDIVISION OF T. 35 S., R. 12 E.

- 17.50 Spur, 40 ft. above draw, projects NE.; descend gradually.
 21.40 Draw, 70 ft. below spur, drains NE.; ascend gradually.
 22.30 Spur, 20 ft. above spur, projects NE.; descend gradually.
 27.40 Draw, 100 ft. below spur, drains NE.; ascend gradually.
 37.40 Enter rolling top of bench, 160 ft. above draw, bears
 NE. and SW.; thence over rolling top of bench.
 39.98 On rolling top of bench, on sandstone surfacerock, mark
 a cross (X), over which.
 Set an iron post, 3 ft. long, 1 in. diam., in a large
 mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.
 S5
 $\frac{1}{4}$
 S8
 1923
 No suitable bearing trees available.
 44.70 Leave rolling top of bench, bears N. and S.; descend
 abruptly.
 47.30 Draw, 80 ft. below top of bench, drains N. 10° E.; ascend
 gradually.
 56.10 The E. brink of mesa, 40 ft. above draw, bears N. and
 S.; descend gradually.
 60.40 Draw, 40 ft. below brink of mesa, drains NE.; ascend
 abruptly.
 79.96 The cor. of secs. 5, 6, 7, and 8, 200 ft. above draw.
 Land, broken with a general northeasterly exposure and
 drainage.
 Soil, shallow sandy loam, mixed with loose sandstone;
 2nd rate.
 Undergrowth, scattering shadscale, sage, and black brush.
 Timber, scattering juniper and pinon.
 Good grazing.

N. 89°56' W., on random line bet. secs. 6 and 7.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 78.45 Intersect the W. bdy. of the township, 14 lks. N. of the
 cor. of secs. 1, 6, 7, and 12, which is an iron post,
 2 ins. diam., firmly set, extending 6 ins. above a
 mound of stone, with brass cap marked and witnessed as

SUBDIVISION OF T. 33 S., R. 12 E.

Chains

described in the notes of the survey of T. 33 S., R. 11 E.

Thence,

N. 89°58' E., on true line bet. secs. 6 and 7.

Ascend gradually over broken land through scattering timber and undergrowth.

1.50 Spur, 30 ft. above cor., projects NE.; descend abruptly.

13.50 Gulch, 140 ft. below spur, drains N.; ascend gradually.

38.45 On gentle N. slope, 100 ft. above gulch.

Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground on bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

S6
 $\frac{1}{4}$
S7

1923

From which,

A juniper, 12 ins. diam., bears S. 77° W., 77 lks. dist., marked $\frac{1}{4}$ S7 BT.

A juniper, 10 ins. diam., bears N. 63° W., 10 lks. dist., marked $\frac{1}{4}$ S6 BT.

44.00 Spur, 50 ft. above the $\frac{1}{4}$ sec. cor., projects NE.; descend abruptly.

50.50 Gulch, 100 ft. below spur, drains NE.; ascend abruptly.

53.50 Spur, 60 ft. above gulch, projects NE.; descend gradually.

62.50 Draw, 60 ft. below spur, drains N.; ascend gradually.

65.00 Spur, 30 ft. above draw, projects N.; descend gradually.

71.00 Gulch, 60 ft. below spur, drains NE.; ascend gradually.

75.50 Spur, 40 ft. above gulch, projects NE.; descend abruptly.

78.45 The cor. of secs. 5, 6, 7, and 8, 50 ft. below spur.

Land, broken with a general northeasterly exposure and drainage.

Soil, shallow sandy loam, mixed with loose sandstone; 2nd rate.

Undergrowth, scattering shadscale, sage, black and bitter brush.

Timber, scattering juniper and pinon. Good grazing.

SUBDIVISION OF T. 33 S., R. 12 E.

Chains	
	N. 0°03' E., on random line bet. secs. 5 and 6.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
72.30	Intersect the N. bdy. of the township, 7 lks. E. of the cor. of secs. 5, 6, 31, and 32, which is an iron post, 2 ins. diam., firmly set, extending 3 ins. above ground, with brass cap marked and witnessed as described in the notes of the survey of T. 32 S., R. 12 E.
	Thence,
	South, on true line bet. secs. 5 and 6.
	Descend gradually over broken land through scattering timber and undergrowth.
3.60	Descent becomes abrupt, bears NE. and SW.
6.30	Top of sandstone ledge, 120 ft. high, bears NE. and SW.
15.30	Gulch, 200 ft. below cor., drains SE.; ascend gradually.
16.40	The NE. end of tunnel through which the canal to the Trachyte Ranch flows, bears E., 50 lks. dist., tunnel is about 2.00 chs. long.
18.50	Spur, 50 ft. above gulch, projects SE.; descend abruptly.
21.20	Gulch, 70 ft. below spur, drains SE.; ascend abruptly.
23.70	Spur, 70 ft. above gulch, projects SE.; descend abruptly.
26.80	Trachyte Creek, stream of good water, 5 lks. wide, 3 ins. deep, in canyon, drains NE.; thence over rolling bottom of canyon.
28.50	Old road, bears E. to the Trachyte Ranch and W. to Middle Mountain.
33.00	Leave rolling bottom of canyon, bears E. and W.; ascend abruptly over broken S. breaks of canyon.
35.30	Top of abrupt ascent, and brink of sandstone ledge, 50 ft. high, 160 ft. above canyon, bears E. and W. From this point, the chimney on the Trachyte Ranch house, bears N. 62°42' E. 42.00 chs. dist.; thence ascend gradually.
39.30	On broken land, 40 ft. above ledge, Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground on bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

SUBDIVISION OF T. 33 S., R. 12 E.

Chains

1
S6 | S5

1023

Deposit a sandstone, 8 x 8 x 6 ins., at base of post,
marked with a cross (X).

No suitable bearing trees available and pits impracticable.

57.00 Rocky spur, 110 ft. above the $\frac{1}{4}$ sec. cor., projects
SE.; descend abruptly.

64.00 Gulch, 180 ft. below spur, drains E.; ascend abruptly.

75.50 Spur, 200 ft. above gulch, projects E.; descend gradually.

79.30 The cor. of secs. 5, 6, 7, and 8, 80 ft. below spur.

Land, broken with a general easterly exposure and drainage.

Soil, shallow sandy loam, mixed with loose sandstone;
2nd rate.

Undergrowth, scattering shadscale, sage, black, and
hitter brush.

Timber, scattering juniper and pinon; scattering cotton-
wood along bottom of Trachyte Canyon.

Good grazing.

LATITUDES, DEPARTURES AND CLOSING ERRORS.

Lines designated.	True bearings.	Dist- ances. chs.	Latitudes.		Departures.	
			N. chs.	S. chs.	E. chs.	W. chs.
W. bdy. T33S R12E South		480.00	.....	480.00	.....	.....
S. bdy. T33S R12E East		479.00	.....	.....	479.00	.....
E. bdy. T33S R12E North		479.31	479.31	.....	.....	.....
N. bdy. T33S R12E West		478.31	.....	.....	.....	478.31
Convergency		0.57	.....	.....	.....	0.57
			479.31	480.00	479.00	478.88
Errors in latitudes and departures				479.31	478.88	
				0.69	0.12	

GENERAL DESCRIPTION OF T. 33 S., R. 12 E.

The land within the boundaries of this township is exceedingly rough, being broken by high sandstone, granite and trachyte ledges and deep box canyons and gulches. The southeast portion of the township consists mostly of smooth sandstone surfacerock and in this portion, the corners were set in holes drilled in the solid sandstone as described on page four of these notes.

The soil consists of a shallow sandy loam, mixed with loose sandstone and granite.

The only permanent water in the township is Trail Creek, Straight Creek, Coyote Creek, Trachyte Creek, a small seep in the bottom of a box canyon located in the NE. $\frac{1}{4}$ of sec. 28 and and a small stream about 2 lks. wide and 2 ins. deep in bottom of a box canyon which heads in the NE. $\frac{1}{4}$ of sec. 35 and flows in an easterly direction through the north half of sec. 36. Coyote Creek and Straight Creek, which are streams about 5 lks. wide and 3 ins. deep, enter the township on the N. and W. boundaries of sec. 6, and flow in an easterly direction. The junction of these two streams which is about 20.00 chs. S. of the $\frac{1}{4}$ sec. cor. on the N. bdy. of sec. 6, forms the head of Trachyte Creek, but this water is diverted from the head of Trachyte Creek and is used to irrigate the Trachyte Ranch located in sec. 5 of this township and sec. 32 of T. 32 S., R. 12 E. The water flows to this ranch through a canal 128.00 chs. long and which was built at a cost of approximately \$12000.00. Trachyte Creek flows in an easterly direction until it reaches sec. 11, then in a southeasterly direction, leaving the township on the E. boundary of sec. 25. During the most of the summer months this stream is dry, except for a few small seeps in the bottom of a deep box canyon which it flows through. Trail Creek is a small stream about 3 lks. wide and 2 ins. deep which

GENERAL DESCRIPTION OF T. 33 S., R. 12 E.

enters the township on the W. boundary of sec. 31, and flows in an southeasterly direction, leaving it on the S. boundary of sec. 31. This stream dries up about 40.00 chs. distant from the point of leaving the township. A small stream about 2 lks. wide and 2 ins. deep, enters the township on the E. boundary of sec. 24, and flows in a southwesterly direction about 40.00 chs. distant at which point it joins Trachyte Creek. This stream dries up about July 1st, and remains dry until about December 1st.

The township in general is used for grazing purposes during both winter and summer months and is exceedingly good for this purpose, it being covered with a scattering undergrowth of shadscale, sage, bitter, rabbit and black brush. An abundant growth of native grass was found throughout the township, but at the time of the survey, the township was over stocked with cattle and wild horses.

A dense growth of scrub juniper and pinon timber was found on the north and south slopes of a high ridge in the southwest corner of the township. The remainder of the township is covered with a very scattering growth of scrub juniper and pinon timber and in some of the sections in the east and north portions, no timber at all was found.

The only land being farmed at the time of the survey, was about one acre located by the Trachyte Ranch house in the NW. $\frac{1}{4}$, of sec. 5. Approximately 80 acres of land inclosed with a net wire fence and which was being used as a pasture, was located in the NE. $\frac{1}{4}$, of sec. 5.

The Trachyte Ranch house is a well built four room log house and is owned by Cameron Brinkerhoff and O.C. Snow, and is used for the head quarters of the Trachyte Ranch, the greatest portion of which is located in sec. 32, T. 32 S., R. 12 E.

GENERAL DESCRIPTION OF T. 33 S., R. 12 E.

Chains

The remains of several buildings which had been the headquarters of the Standard Chemical Company, are located near the center of sec. 6. Indications of carnotite ore were found in this sec., and the Standard Chemical Company has several claims of this ore in sec. 6.

No other indications of mineral was found.

The only land suitable for farming is about 320 acres located in secs. 5 and 6, but at the time of the survey, only approximately 1 acre of this land was being cultivated. It is improbable that the remainder of this land can be irrigated for the reason that nearly all the water is now being used by the Trachyte Ranch, on approximately 320 acres in the adjoining township to the north. With the developement of storage, it might be possible to obtain sufficient water to irrigate this land. No portion of the township is suitable for dry farming as the soil is a shallow loose sandy loam, and needs irrigation to produce crops.

A road which was in very poor condition, enters the township from Hanksville, Utah, on the north boundary of sec. 5, and bears in a westerly direction to Middle Mountain, leaving the township on the west boundary of section 6. An old road from Hanksville to Hite, Utah, located on the right bank of the Colorado River, at one time followed along the bottom of Trachyte Creek Channel, but at the time of the survey very few indications of this road were found on account of its being washed out by the floods which occur in this channel yearly.

The only settlers on the township at the time of the survey was O. C. Snow, who had charge of and claimed to be part owner of the Trachyte Ranch.

The magnetic declination was not taken on account of a defective needle.

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FIELD ASSISTANTS.

NAME

CAPACITY

Edward Eliason	1st Chairman
Russell Weiler	1st Chairman
Richard Christensen	2nd Chairman
Glen Loader	2nd Chairman
Max Moffett	Flagman
Gail Jensen	Flagman
George Faux	Cornettman
Golden Billings	Cornettman

CERTIFICATE OF UNITED STATES SURVEYOR, AND TRANSITMAN

Robert C Yundt, U.S. Transitman, and
 X We Elliot Bird

U. S. Surveyor, hereby certify upon honor that, in pursu-
 of special instructions received from the U. S. Surveyor General for Utah
 bearing date of the 14th day of February, 1912²³, ~~X~~ We have well, faithfully, and tr-
 in ~~my~~ ^{our} own proper persons, and in strict conformity with said instructions, the Manual of Surveying Instru-
 tions, and the laws of the United States, surveyed all those parts or portions of North and South
Boundaries and Subdivision of T. 33 S., R. 12 E.,

of the Salt Lake Base
And Meridian, in the State of Utah, which are represented
 and date diagram on dates shown on said diagram
 the foregoing field notes as having been executed by me, and under ~~my~~ ^{our} directions, and that all the corners
 said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instru-
 tions, and the special written instructions of the U. S. Surveyor General for Utah
 and in the specific manner described in the field notes, and that the foregoing are the original field notes of
 such survey.
Salt Lake City, Utah.
February 5, 1924.

Robert C Yundt
 U. S. Surveyor
 U. S. Transitman.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

February 29, 1924

The foregoing field notes of the survey of South and east boundaries and
Subdivision of T. 33 S., R. 12 E. of the Salt Lake Base and
Meridian

executed by Elliot Bird, U.S. Surveyor and Robert C. Yundt, U.S. Transitman
 under his special instructions dated February 14, 1923, 191~~x~~, having been
 critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys
 they describe, are hereby approved.

E. A. Dawson
 U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in
 _____, has been correctly copied from the original notes on file in this office.

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Page

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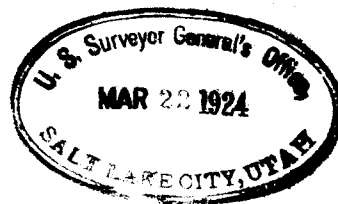
Page

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B

BOOK A-465



FIELD NOTES

OF THE SURVEY OF ~~THE~~

~~PORTION OF THE NORTH AND WEST BOUNDARIES, AND A PORTION OF THE~~
~~SUBDIVISION OF, T. 34 S., R. 13 E.~~

Of the SALT LAKE BASE AND Meridian,

In the State of UTAH

EXECUTED BY

ELLIOT BIRD

AND

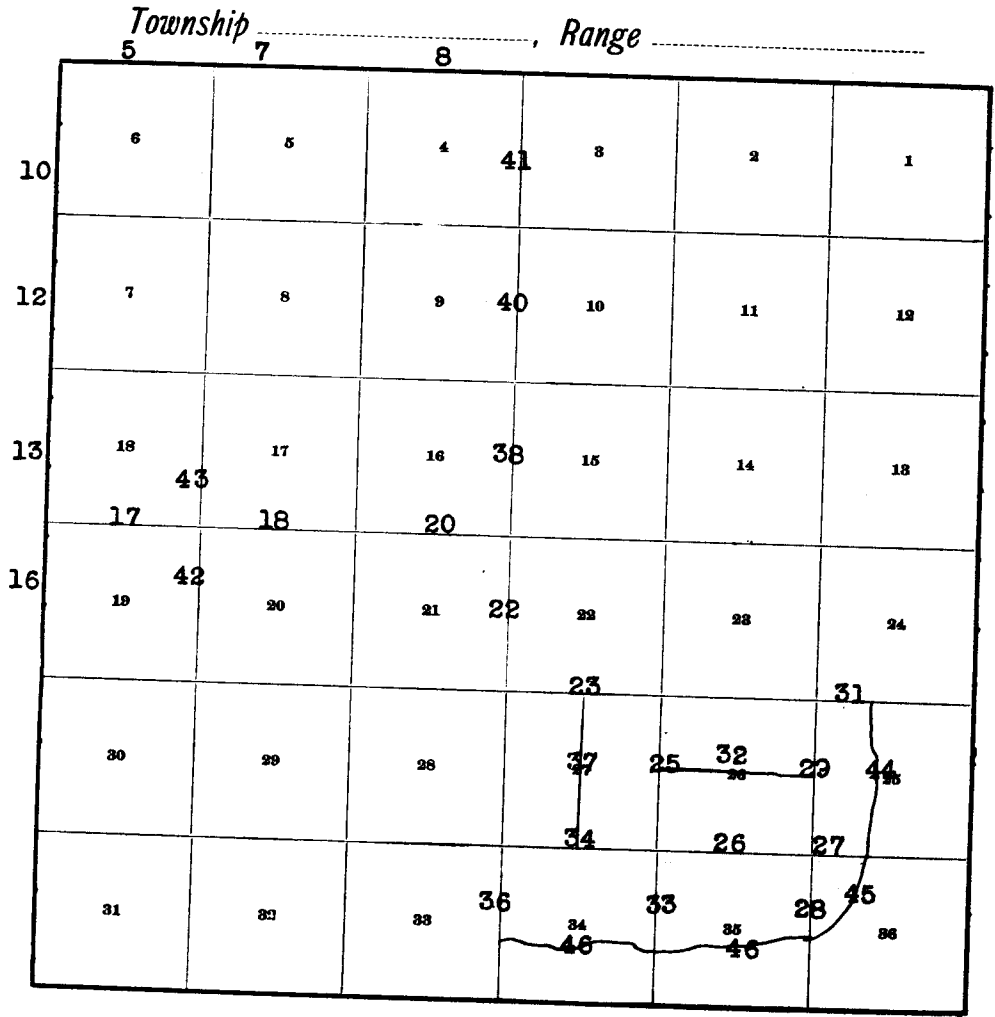
ROBERT C. YUNDT

In the capacity ^{ies} of U. S. Surveyor ^{and U.S. Transitman} /, under instructions dated February 14, 1923,
issued by the United States Surveyor General to govern surveys included in
Group No. 135, which were approved by the Commissioner of the General Land
Office, February 24, 1923. And assignment instructions dated
May 14, 1923.

Survey commenced August 12, 1923.

Survey completed August 28, 1923.

INDEX DIAGRAM.



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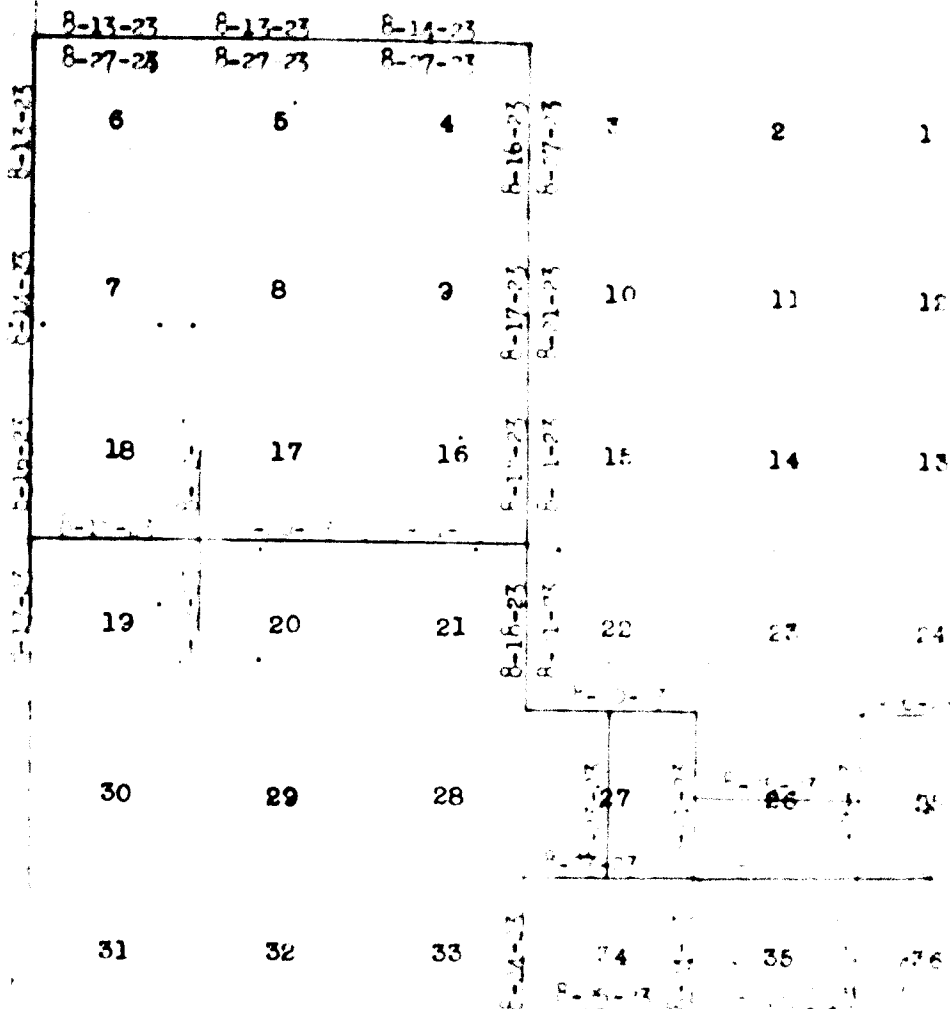
INDEX DIAGRAM.

Township 24 S., Range 13 E.

351	352	353			
356 6	5	4 387	3	2	1
358 7	8	9 386	10	11	12
359 13 389	17 389	16 389	384 15	14	13
363	364	365			
362 19 388	20	21 368	22	23	24
25	26	27	369 379	378 375	376
28	29	30	371 374 378	375	390
31	32	33	380 372 373	374 371	370
			372 372	372	372

Colorado River

DATE DIAGRAM OF T. 34 S., R. 13 E.



All lines dated in black were surveyed by Elliot Bird,
U.S. Surveyor.

All lines dated in red were surveyed by Robert C Yumt,
U.S. Transitman.

Survey commenced August 12, 1923, and executed with Young and Sons transits No 8531, used by Elliot Bird, U.S. Surveyor, and No. 8526, used by Robert C Yundt, U. S. Transitman. Instruments are equipped with Smith Solar attachments and full vertical circles. The horizontal limbs are each provided with two double verniers placed opposite each other, and reading to single minutes of arc, which is also the least count of the verniers of

the latitude and declination arcs and vertical circles. The instruments were approved for use on this survey by the Assistant Supervisor of Surveys for district No. 6, conditional upon satisfactory field tests in assignment instructions dated May 14, 1923.

We examine the adjustments of the instruments and correct the level and collimation errors, then, to test the solar apparatus by comparing their indications resulting from solar observations made during a.m. and p.m. hours with a meridian determined by observation made on Polaris we proceed as follows.

August 11, 1923: At our camp, situated near the corner of Ts. 33 and 34 S., Rs. 12 and 13 E., in approximate latitude $37^{\circ}54'$ N., longitude $110^{\circ}35'$ W.; at 10h 12m p.m. l. m. t., with instrument No. 8531, we observe Polaris at eastern elongation, making four observations, two each with the telescope in direct and reversed positions, and mark the mean point in the line thus determined, on a peg driven firmly in the ground, 5 chs. N.

Azimuth of Polaris at eastern elongation= $1^{\circ}24'35''$

August 12: We lay off the azimuth of Polaris, $1^{\circ}24'30''$, to the west, and mark the meridian thus determined, by a tack in a peg driven firmly in the ground, 5 chs. N. At 8h 30m a.m., app. t., we set off $37^{\circ}54'$ N., on the latitude arcs; $15^{\circ}10'$ N., on the declination arcs; and determine meridians with the solars which we find to agree with the true meridian.

At app. noon, with instrument No 8531, we make a meridian observation of the sun for time and latitude, observing simultaneously the altitude of the sun's lower limb and the transit of the sun's west limb, reversing the telescope and observing simultaneously the altitude of the sun's upper limb and the transit of the sun's east limb.

Mean observed altitude =	67°13'30"
Reduced latitude =	37°54'00" ✓
Mean watch time of observation =	12h 4m 1s
Watch fast of local mean time =	0h 1m 1.4s ✓

At app. noon, with the latitude arcs unchanged, we observe the sun on the meridian; the resulting readings of the declination arcs is 15°7'30" N., which agrees with the computed declination of the sun.

At 3h 30m p.m. app. t., with the latitude arcs unchanged, we set off 15°5' N., on the declination arcs; and determine meridians with the solars which we find to agree with the true meridian.

As all the solar observations during the usual hours of solar work come within 1'30" of the true meridian, we conclude that the adjustments of the instruments are satisfactory.

The instruments were kept in good adjustment throughout the progress of this survey, frequent tests being made on the meridian determined by observations on Polaris.

At the completion of the survey of this township, we make a final test of the instruments as follows.

August 26, 1923: With both instruments in the meridian determined by observation made on Polaris, heretofore described; at 8h 30m a.m. app. t., we set off 37°54' N., on the latitude arcs; 10°39' N., on the declination arcs; and determine meridians with the solars which we find to agree with the true meridian.

At app. noon, with the latitude arcs unchanged, we observe the sun on the meridian; the resulting readings of the declination arcs is 10°35' N., which agrees with the computed declination of the sun.

At 3h 30m p.m. app. t., with the latitude arcs unchanged, we set off 10°33' N., on the declination arcs; and determine meridians with the solars which we find to agree with the true meridian.

As all the solar observations during the usual hours of solar work, come within 1'30" of the true meridian, we

conclude that the instruments are in satisfactory adjustment.

MEASUREMENTS.

Unless otherwise specified all measurements are made with Lallies steel tapes 5 chains in length compared with a Lufkin standard steel tape and found correct. The measurements are made on the slope, the vertical angle determined, and the slope measurements properly reduced to true horizontal distances.

METHOD OF PROCEDURE.

The northboundary is surveyed East from the cor. of Ts. 33 and 34 S., Rs. 12 and 13 E., on true line a distance of 3 miles where it is terminated on account of inaccessible ledges. Section and quarter section corners were established at intervals of 40.00 chs. from the E.

The W. boundary was surveyed South from the cor. of Ts. 33 and 34 S., Rs. 12 and 13 E., a distance of 270.66 chs. where it was terminated on account of the inaccessible breaks of the Colorado River and Trachyte Creek. Section and quarter section corners were established at intervals of 40.00 chs. from the N.

The S. and E. boundaries were not surveyed on account of the inaccessible breaks of the Colorado River, and at the time of the survey, there was no practicable way to cross the river to survey these boundaries, the greater portions of which were on the left side of the river.

Only a small portion of the interior of this township could be subdivided as nearly all the township consisted the broken N. breaks of the Colorado River, and which were cut by deep box canyons and gulches over which we were unable to projects our lines.

SURVEY OF THE NORTH BOUNDARY OF T. 34 S., R. 13 E.

From the cor. of Ts. 33 and 34 S., Rs. 12 and 13 E., which is an iron post, 3 ins. diam., firmly set, extending 2 ins. above ground, with brass cap, marked and witnessed as described in the notes of the survey of T. 33 S., R. 12 E.

East, bet. secs. 6 and 31.

Ascend gradually over broken sandstone surfacerock, through scattering undergrowth.

- 12.50 Top of sandstone ledges, 280 ft. high, 50 ft. above cor., which forms the brink of the W. breaks of Trachyte Canyon, bears N. 20° W. and L. 20° E. It being impossible to chain across Trachyte Creek, I determine the dist. by triangulation as follows. Erect flag "A" at this point and flag "B" on line E., From flag "B" measure base line "BC", N., 3.67 chs. dist., from which point, "AB", subtends an angle of 72°25'. All angles by three repetitions with error of 15" balanced to 180°.

72°25'

North
9872 chs

90

EAST
3.67 chs

Distance on line=	12.50 chs.
Distance by triangulation=	3.15 chs.
Distance by return measurements=	<u>43.65 chs.</u>
	30.00 chs.

- 20.00 Approximate dist; Trachyte Creek, stream of good water, 10 lks. wide, 5 ins. deep, in bottom of box canyon, 350 ft. below top of W. breaks, drains S. 30° E.; ascend abruptly over broken inaccessible ledges which form the E. breaks of canyon.
- 30.00 Top of E. breaks of canyon, 280 ft. above bottom, bears NE. and SW.; thence ascend gradually.
- 38.87 Allowing for convergency; on gentle W. slope, 50 ft. above E. breaks of canyon.

SURVEY OF THE NORTH BOUNDARY OF T. 34 S., R. 13 E.

Chains

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$$\begin{array}{r} S31 \\ \hline S6 \end{array}$$

1223

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

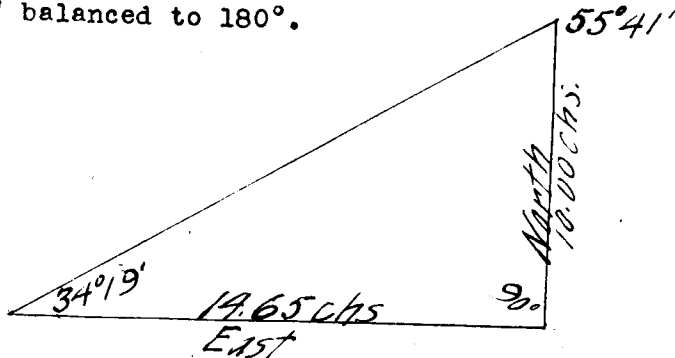
43.65 To point of triangulation.

48.20 Spur, 30 ft. above the $\frac{1}{4}$ sec. cor., projects S. 30° W.; descend gradually.

52.70 Head of draw, 40 ft. below spur, drains S.; ascend gradually.

56.20 Sandstone spur, 40 ft. above head of draw, projects SE.; descend gradually,

68.19 The N^w. brink of box canyon over which I am unable to chain, bears N. 30° E. and S. 30° W.; I therefore determine the dist. across canyon by triangulation as follows. Erect flag "A" at this point and flag "B" on line E. From flag "B" measure base line "AB", North, 10.00 chs. dist., from which point "AB" subtends an angle of $55^\circ 41'$. All angles by three repetitions with error of $0'20''$ balanced to 180° .



Distance on line =

Distance by triangulation =

68.19 chs. ✓

14.65 chs. ✓

82.84 chs. ✓

Approximate topography bet. points of triangulation.

72.20 Bottom of box canyon, 350 ft. below spur, drains S. 30° W.; ascend abruptly over broken inaccessible SE. breaks of canyon.

78.87 Point for the cor. of secs. 5, 6, 31, and 32, falls in inaccessible SE. breaks of canyon.

82.84 To point of triangulation at top of SE. breaks of box canyon, 350 ft. above bottom, bears N. 30° E. and

SURVEY OF THE NORTH BOUNDARY OF T. 34 S., R. 13 E.

Chains

N. S. 30° W.; at this point, on sandstone surfacerock,
Mark a cross (X), over which:
Set an iron post, 3 ft. long, 2 ins. diam., in a large
mound of stone, for witness cor. to the cor. of secs.
5, 6, 31, and 32, with brass cap marked.

	T33S	R13E
	S31	S32
WC	S6	S5
	T34S	
	1923	

Land, broken by deep box canyons and high sandstone ledges,
with a general southwesterly exposure and drainage.
Soil, shallow sandy loam, mixed with loose sandstone;
2nd rate.
Undergrowth, scattering shadscale, sage and black brush.
Timber, scattering cotton-wood along bottom of Trachyte
Creek bed, none on remainder of mile.
Good grazing.

East, bet. secs. 5 and 32, counting distances from the
true point for the cor. of secs. 5, 6, 31, and 32.

Over rolling land through scattering undergrowth.

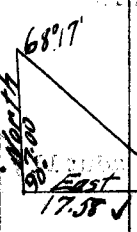
13.37 The witness cor.

13.00 Enter rolling bench land, bears N. 30° E. and S. 30° W.

40.00 On sandstone surfacerock, mark a cross (X), over which:
Set an iron post, 3 ft. long, 1 in. diam., in a large
mound of stone, for 1/4 sec. cor., with brass cap marked.

	S32
1/4	S5
	1923

46.33 The NW. brink of inaccessible breaks of gulch over which
I am unable to chain, I therefore determine the dist.
by triangulation as follows. Erect flag "A" at this
point and flag "B" on line E. From flag "A", measure
base line "AC", North, 7.00 chs. dist., from which point,
"AB" subtends an angle of 68.17'. All angles with three
repetitions with error of 0'30" balanced to 180°.



465

SURVEY OF THE NORTH BOUNDARY OF T. 34S., R. 13E.

Chains

Distance on line= 46.33 chs.
 Distance by triangulation = 17.58 chs.
 63.91 chs.

Approximate topography bet. points of triangulation.

- 50.00 Bottom of gulch, 300 ft. below top of NW. breaks, drains S. 30° W.; ascend abruptly over broken sandstone ledges which form the SE. breaks of gulch.
- 63.91 To point of triangulation at top of SE. breaks of gulch, 350 ft. above bottom, bears N. 30° E. and S. 30° W.; ascend gradually.
- 66.50 Spur, 30 ft. above top of breaks, projects S. 30° E.; descend abruptly over broken sandstone ledges.
- 75.00 Head of draw, 100 ft. below spur, drains S.; ascend abruptly.
- 80.00 On sandstone surfacerock, 100 ft. above head of draw; mark a cross (X), over which:
 Set an iron post, 3 ft. long, 2 ins. diam., in a large mound of stone, for cor. of secs. 4, 5, 32, and 33, with brass cap marked.

T33S	R13E ✓
S32	S33
S5	S4
T34S	
1923	

Land, rolling on W. portion and broken on E. portion, with a general southwesterly exposure and drainage.

Soil, shallow sandy loam, mixed with loose sandstone; 2nd rate.

Undergrowth, scattering shadscale, sage and black brush. No timber.

Good grazing.

East, bet. secs. 4 and 33.

Ascend gradually over broken land through scattering undergrowth.

15.50 Ascent becomes more abrupt, bears N. and S.

21.50 Spur, 100 ft. above cor., projects S.; descend gradually.

SURVEY OF THE NORTH BOUNDARY OF T. 34 S., R. 13 E.

Chains

- 22.60 Top of abrupt descent over sandstone ledges into gulch, bears N. and S.
- 33.60 Gulch, 300 ft. below spur, drains S. 30° W.; ascend abruptly over sandstone ledges.
- 40.00 On sandstone surfacerock, 160 ft. above gulch, mark a cross (X), over which:
Set an iron post, 3 ft. long, 1 in. diam., in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

S33
$\frac{1}{4}$
S4
1923

- 43.20 Top of abrupt ascent from gulch, 140 ft. above the $\frac{1}{4}$ sec. cor., bears NE. and SW.; thence over level top of mesa.
- 57.70 Brink of sandstone rimrock, bears N. and S.; descend abruptly over sandstone ledges.
- 63.30 Head of draw, 180 ft. below mesa, drains SE.; ascend abruptly over sandstone ledges.
- 67.30 Sandstone, spur, 80 ft. above head of draw, projects SE.; descend abruptly over sandstone ledges.
- 72.20 Gulch, 100 ft. below spur, drains SW.; ascend abruptly over sandstone ledges.
- 80.00 On sandstone surfacerock, 30 ft. above gulch, mark a cross (X), over which:
Set an iron post, 3 ft. long, 2 ins. diam., in a large mound of stone, for cor. of secs. 3, 4, 33, and 34, with brass cap marked.

T33S	R13E
S33	S34
S4	S3
T34S	
1923	

Land, broken by deep gulches and sandstone ledges with a general southwesterly exposure and drainage.

Soil, shallow sandy loam, mixed with loose sandstone;
2nd rate.

Undergrowth, scattering shadscale, sage and black brush.

No timber. Good grazing.

SURVEY OF THE NORTH BOUNDARY OF T. 34 S., R. 13 E.

Chains

Note: The line to the E. of this cor. passes over a high sandstone reef cut by deep box canyons and gulches which form the breaks of the Colorado River and as it is impossible for me to reach the top of this reef on account of the inaccessible ledges, I abandon my line at this cor.

SURVEY OF THE WEST BOUNDARY OF T. 34 S., R. 13 E.

From the cor. of Ts. 33 and 34 S., R. 12 and 13 E., heretofore described on page 5, of these notes.

South, bet. secs. 1 and 6.

Ascend gradually over broken land through scattering undergrowth.

.75 Top of conical sandstone outcropping, 50 ft. high.

17.90 Spur, 70 ft. above cor., projects SE.; descend abruptly.

24.00 Draw, 100 ft. below spur, drains S. 10° E.; ascend gradually.

32.80 Spur, 40 ft. above draw, projects SE.; descend gradually.

40.00 On sandstone surfacerock, 80 ft. below spur, mark a cross (X), over which:

Set an iron post, 3 ft. long, 1 in. diam., in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$
S1 | S6
1923

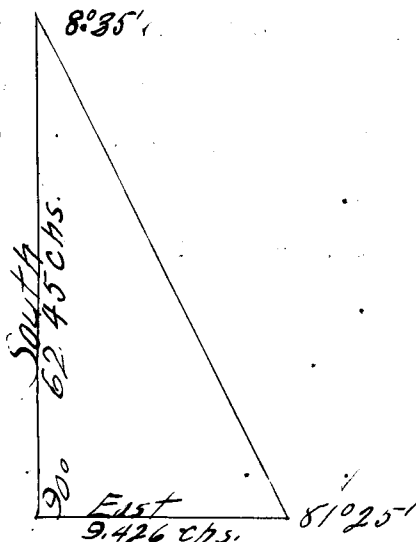
43.56 Left point for triangulation.

50.80 Brink of abrupt descent over inaccessible ledges which form the N. breaks of Woodruff Canyon, bears E. and W., over which I am unable to chain, I therefore determine the distance by triangulation as follows. Return to the 43.56 chs. point and erect flag "A", and flag "B" on line to the S. From flag "B" measure base line "BC", East, 2.426 chs. dist., from which point, "AB" subtends an angle of 81°25'. All angles by three repetitions

SURVEY OF THE WEST BOUNDARY OF T. 34 S., R. 13 E.

Chains

with error of 0' 20" balanced to 180°. No longer base line could be obtained and no shorter triangulation made on account of the formation of the country.



Distance on line=	43.56 chs.
Distance by triangulation =	62.45 chs. ✓
	<u>106.01 chs.</u>
Distance by return measurement=	26.01 chs.
	<u>80.00 chs. ✓</u>

Approximate topography on triangulated portion of mile.

57.80 Stream of good water, 3 lks. wide, 2 ins. deep, in bottom of Woodruff Canyon, 300 ft. below the $\frac{1}{4}$ sec. cor., drains E.; ascend abruptly.

62.00 Top of sandstone ledge on S. side of Woodruff Canyon, 250 ft. high, 340 ft. above bottom of canyon, bears E. and W.; thence ascend gradually over broken sandstone ledges.

80.00 Point for the sec. cor. falls on steep N. slope of sandstone surfacerock where it is impossible to set cor., therefore at this point, mark a cross (X) on the sandstone surfacerock, for true cor. point, and at a point, N. 45° W., 40 lks. dist. from the true point for cor.: Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for witness cor. to the cor. of secs. 1, 6, 7, and 12, with brass cap marked.

T34S	
R12E	R13E
S1	S6
<hr/>	
S12	S7
W C	
1923	

SURVEY OF THE WEST BOUNDARY OF T. 34 S., R. 13 E.

Chains

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of
Impossible to set cor. within the perscribed limits on
true line.

Land, broken by high sandstone ledges and deep box canyon
with a general easterly exposure and drainage.

Soil, shallow sandy loam, mixed with loose sandstone;
2nd rate.

Undergrowth, scattering shadscale, sage and black brush.

No timber.

Good grazing.

South, bet. secs. 7 and 12, counting distances from the
true point for cor. of secs. 1, 6, 7, and 12.

Ascend gradually over broken sandstone surfacerock through
scattering undergrowth.

26.01 To point of triangulation on top of spur, 150 ft. above
true point for cor., projects E.; descend gradually
over sandstone ledges.

40.00 As the point for the $\frac{1}{4}$ sec. cor. falls on steep slope of
sandstone surfacerock where it is impossible to set
a permanent cor. in the regular method perscribed:
Set an iron post, 20 ins. long, 1 in. diam., 16 ins. in
a hole drilled in the solid sandstone, for $\frac{1}{4}$ sec. cor.,
with brass cap marked.

$\frac{1}{4}$
S12 | S7
1923

From which,

A lone juniper, 8 ins. diam., bears S. $49^{\circ}30'$ E., 126 lks
dist., marked BT.

Tree too scrubby for other marks and no other accessories
available.

53.20 Draw, 220 ft. below spur, drains SE.; ascend gradually.

61.60 Spur, 40 ft. above draw, projects SE.; descend gradually.

SURVEY OF THE WEST BOUNDARY OF T. 34 S., R. 13 E.

23.50 Draw, 30 ft. below spur, drains SE.; ascend gradually.
 25.30 Spur, 50 ft. above draw, projects SE.; descend gradually.
 77.80 Draw, 150 ft. below spur, drains SE.; ascend gradually.
 80.00 Point for the sec. cor. falls on sloping sandstone
 surfacerock, where it is impossible to set a permanent
 cor. in the regular method perscribed, therefore;
 Set an iron post, 20 ins. long, 1 in. diam., 16 ins. in
 a hole drilled in the solid sandstone, for cor. of secs.
 7, 12, 13, and 18, with brass cap marked.

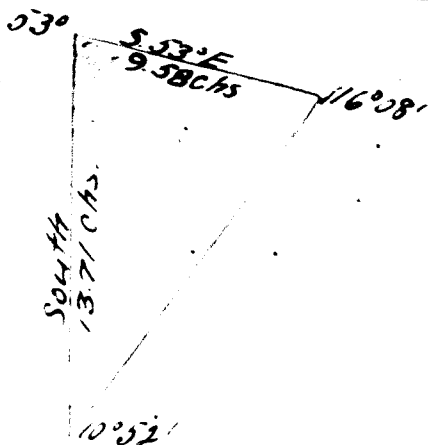
T34S	
R12E	R13E
S12	S7
<hr/>	
S13	S18
1923	

No accessbries available and no drills available for
 drilling holes for 2 in. posts.
 Land, broken by sandstone ledges with a general south-
 easterly exposure and drainage.
 Soil, shallow sandy loam, mixed with loose sandstone;
 2nd rate.
 Undergrowth, scattering shadscale, sage and black brush.
 No timber.
 Good grazing.

South, bet. secs. 13 and 18.
 Over broken sandstone ledges through scattering undergrowth.
 As it is impossible to chain or project my line S. from
 this cor. on account of inaccessible ledges, I determine
 the dist. by triangulation as follows. Return to a point,
 North, 13.71 chs. dist. from the sec. cor. and erect
 flag "A", and flag "B" on line to the S., from flag "A",
 measure base line "AC", S. 53°00' E., 9.58 chs. dist.,
 from which point "AB" subtends an angle of 116°08'.
 No longer base line could be obtained. All angles by
 three repetitions with error of 30" balanced to 180°.

SURVEY OF THE WEST BOUNDARY OF T. 34 S., R. 13 E.

Chains



Distance by triangulation=

Distance to the N. of sec. cor. =

45.62 chs.

13.71 chs.

31.91 chs.

Approximate topography on triangulated distance.

- 5.00 Brink of cliffs on N. side of box canyon, 500 ft. high, bears E. and W.; descend abruptly over sandstone ledges.
- 18.00 Bottom of box canyon, 550 ft. below sec. cor., drains E.; ascend abruptly over broken S. breaks of canyon.
- 30.00 Top of perpendicular ledge, 350 ft. high on top of S. breaks of canyon, bears E. and W.; ascend gradually.
- 31.91 To point of triangulation on top of sandstone spur, 50 ft. above top of ledge, projects E.; descend gradually.
- 40.00 On broken land, 80 ft. below spur.
- Set an iron post, 3 ft. long, 1 in. diam., 22 ins. in the ground to bedrock and in a large mound of stone, for 1/2 sec. cor., with brass cap marked.

$\frac{1}{2}$
 S13 | S18
 1923

From which,

A juniper, 5 ins. diam., bears N. 11°30' W., 157 lks. dist., marked 1/2 S13 BT.

A juniper, 6 ins. diam., bears S. 57° E., 51 lks. dist., marked 1/2 S18 BT.

40.50 Enter scattering timber, bears E. and W.

42.80 Brink of N. breaks of box canyon, bears E. and W., over which

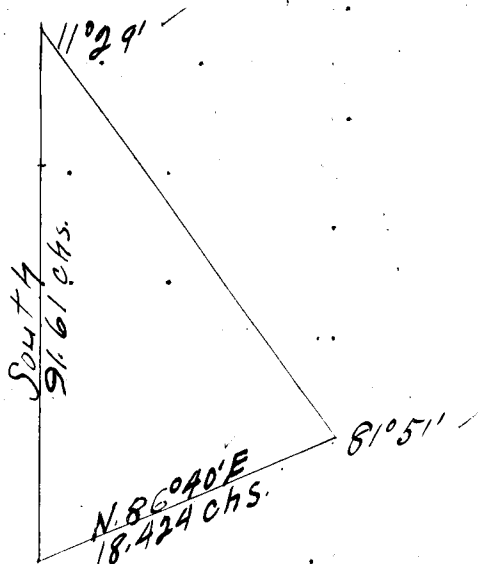
I am unable to chain, I therefore determine the dist.

by triangulation as follows. Erect flag "A" on line

to the S., and measure base line "AB", N. 86°40' E.,

SURVEY OF THE WEST BOUNDARY OF T. 34 S., R. 13 E.

18.424 chs. dist., from which point, the flag left North, 13.71 chs. dist. from the cor. of secs. 7, 12, 13, and 18, subtends an angle of $81^{\circ}51'$ from flag "A". No longer base line could be obtained and no other system of triangulation could be used on account of the inaccessible ledges. All angles by three repetitions with error of $0'20''$ balanced to 180° .



Distance by triangulation =	91.61 chs.
Distance on line North of sec. cor. =	13.71 chs.
	<u>77.90 chs.</u>

Approximate topography on triangulated distance.

- 46.00 Bottom of box canyon, 360 ft. below the $\frac{1}{4}$ sec. cor., drains E.; ascend abruptly over broken S. breaks of canyon.
- 48.00 Top of perpendicular sandstone ledge, 150 ft. high, 360 ft. above bottom of canyon, bears E. and W.; thence ascend gradually.
- 51.00 Sandstone spur, 50 ft. above top of ledge, projects E.; thence over broken sandstone ledges.
- 77.90 To point of triangulation on top of N. rim of rolling mesa, bears NE. and SW.
- 80.00 On sandstone surfacerock, mark a cross (X), over which: Set an iron post, 3 ft. long, 2 ins. diam., in a large mound of stone, for cor. of secs. 13, 18, 19, and 24, with brass cap marked.

SURVEY OF THE WEST BOUNDARY OF T. 34 S., R. 13 E.

Chains

T34S	
R12E	R13E
S13	S18
S24	S19

1923

From which,

A juniper, 8 ins. diam., bears N. 22° E., 173 lks.
dist., marked T34S R13E S18 BT.

A pinon, 14 ins. diam., bears S. 32° E., 152 lks.
dist., marked T34S R13E S19 BT.

A juniper, 8 ins. diam., bears S. 16°30' W., 87 lks.
dist., marked T34S R12E S24 BT.

A juniper, 8 ins. diam., bears N. 53° W., 186 lks.
dist., marked T34S R12E S13 BT.

Land, broken by sandstone ledges and deep canyons, with
a general easterly exposure and drainage.

Soil, shallow sandy loam, mixed with loose sandstone;
2nd rate.

Undergrowth, scattering shadscale, sage and black brush.

Timber, scattering juniper and pinon on S. portion of
mile, none on N. portion.

Good grazing.

South, bet. secs. 19 and 24.

Over rolling top of mesa through scattering timber and
undergrowth.

11.00 Wash, 30 lks. wide, 5 ft. deep, drains SE.

30.66 Top of sandstone ledge which forms the N. wall of Sweat
Canyon, approximately 1000 ft. high, bears E. and W.
As the true position for the $\frac{1}{4}$ sec. cor. cannot be
reached, at this point, on sandstone surfacerock, mark
a cross (X), over which:

Set an iron post, 3 ft. long, 1 in. diam., in a large
mound of stone, for witness cor. to the $\frac{1}{4}$ sec. cor.,
with brass cap marked.

SURVEY OF THE WEST BOUNDARY OF T. 34 S., R. 13 E.

$\frac{1}{4}$
 S24 | S19
 W | C

1923

No suitable bearing trees available.

Land, rolling top of mesa.

Soil, shallow sandy loam.

Undergrowth, scattering shadscale and sagebrush.

Timber, scattering juniper and pinon.

Good grazing.

Note: The remainder of the W. bdy. of this township, passes over deep box canyons and inaccessible ledges which form the breaks of the Colorado River and is unsurveyable, I therefore abandon my line at this cor.

SUBDIVISION OF T. 34 S., R. 13 E.

From the cor. of secs. 13, 18, 19, and 24, on the W. bdy. of the township.

East, on a auxiliary base line bet. secs. 18 and 19.

Over rolling top of mesa through scattering timber and undergrowth.

39.15 On rolling top of mesa; allowing for convergency.

Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

S18
 $\frac{1}{4}$ —————
 S19

1923

From which,

A pinon, 8 ins. diam., bears N. $67^{\circ}45'$ E., 273 lks. dist., marked $\frac{1}{4}$ S18 BT.

No other suitable bearing trees available.

79.15 On rolling top of mesa, on sandstone surfacerock, mark a cross (X), over which.

SUBDIVISION OF T. 34 S., R. 13 E.

Chains

Set an iron post, 3 ft. long, 2 ins. diam., in a large mound of stone, for cor. of secs. 17, 18, 19, and 20, with brass cap marked.

T34S	R13E
S18	S17
S19	S20
1923	

No suitable bearing trees available.

Land, rolling top of mesa.

Soil, shallow sandy loam; 2nd rate.

Undergrowth, scattering shadscale and sagebrush.

Timber, scattering juniper and pinon.

Good grazing.

East, on a auxiliary base line bet. secs. 17 and 20.

Over rolling top of mesa through scattering timber and undergrowth.

5.00 Leave rolling top of mesa, bears N. and S.; descend abruptly over broken ledges.

9.80 Draw, 200 ft. below mesa, drains NE.; ascend abruptly over broken W. slope.

20.50 Spur, 170 ft. above draw, projects NW.; ascend gradually.

34.72 Sandstone ledge, 700 ft. high, at brink of W. breaks of Trachyte Canyon, bears N. and S. As the true point for the $\frac{1}{4}$ sec. cor. will fall in inaccessible ledges, at this point, on sandstone surfacerock.

Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in a hole drilled in the solid sandstone and in a large mound of stone, for witness cor. to the $\frac{1}{4}$ sec. cor., with brass cap marked.

S17	✓
$\frac{1}{4}$	WC
S20	

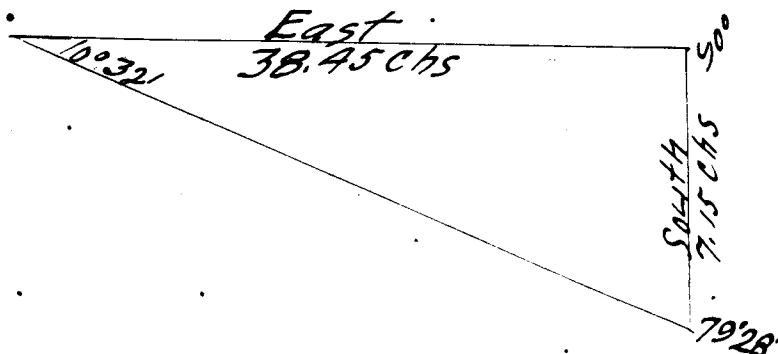
1923

No suitable bearing trees available.

As it is impossible to chain E. from this point on account

SUBDIVISION OF T. 34 S., R. 13 E.

of the inaccessible N. breaks of Trachyte Canyon, I determine the distance by triangulation as follows. Erect flag "A" at this point and flag "B" on line E., from flag "B", measure base line "BC", South, 7.15 chs., dist., from which point, "AB" subtends an angle of $79^{\circ}28'$. No longer base line could be obtained and all angles by three repetitions with error of $0'30''$ balanced to 180° .



Distance on line, =	34.72 chs.
Distance by triangulation =	38.45 chs.
	<u>73.17 chs.</u>

Approximate topography bet. point of triangulation.

- 50.00 Bottom of Trachyte Canyon, 750 ft. ft. below the witness $\frac{3}{4}$ sec. cor.; stream of good water in bottom of canyon, 10 lks. wide, 5 ins. deep, drains SE.; ascend abruptly over broken E. breaks of canyon.
- 66.00 Top of sandstone ledge, 700 ft. above bottom of canyon, bears N. and S.; thence ascend gradually over broken land.
- 73.17 To point of triangulation.
- 80.00 On sandstone surfacerock, 80 ft. above top of ledge, mark a cross (X), over which:
Set an iron post, 3 ft. long, 2 ins. diam., in a large mound of stone, for cor. of secs. 16, 17, 20, and 21, with brass cap marked.

T34S	R13E
S17	S16
S20	S21

1923

No suitable bearing trees available.

SUBDIVISION OF T. 34 S., R. 13 E.

Chains

Land, broken by sandstone ledges with a general south-easterly exposure and drainage.

Soil, shallow sandy loam, mixed with loose sandstone; 2nd rate.

Undergrowth, scattering shadscale, sage and black brush.

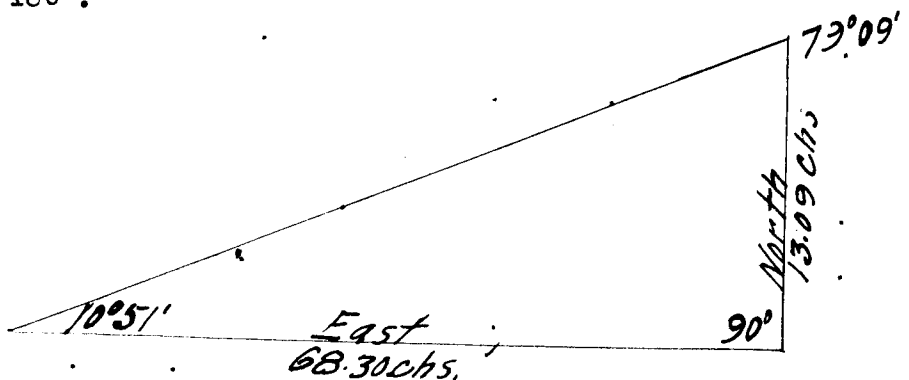
Timber, scattering juniper and pinon; scattering cottonwood along bottom of Trachyte Canyon.

Good grazing.

East, on a auxiliary base line bet. secs. 16 and 21.

Ascend gradually over broken land through scattering undergrowth.

11.60 Brink of box canyon, 60 ft. above cor., bears NE. and SW. It being impossible to chain across canyon, I determine the distance by triangulation as follows. Erect flag "A" at this point and flag "B" on line E. From flag "B", measure base line "BC", North, 13.09 chs. dist., from which point, "AB" subtends an angle of $73^{\circ}03'$. No longer base line could be obtained. All angles by three repetitions with error of $0'20''$ balanced to 180° .



Distance on line=

Distance by triangulation =

Distance by return measurement=

11.60 chs.

68.30 chs.

79.90 chs.

44.70 chs.

35.20 chs.

Approximate topography on triangulated distance.

24.00 Bottom of box canyon, 380 ft. below top of W. brink, drains SW.; ascend abrupt SE. break of canyon.

35.20 Brink of SE. breaks of canyon, 380 ft. above bottom, bears NE. and SW.; ascend gradually.

SUBDIVISION OF T. 34 S., R. 13 E.

Chains

36.40 Spur, 40 ft. above breaks of canyon, projects SW.; descend gradually.

39.80 Draw, 80 ft. below spur, drains S.; ascend gradually.

40.00 On sandstone surfacerock, 10 ft. above draw, mark a cross (X), over which:

Set an iron post, 3 ft. long, 1 in. diam., in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

S16
$\frac{1}{4}$
S21

1923

56.50 Spur, 220 ft. above the $\frac{3}{4}$ sec. cor., projects S.; descend gradually.

62.00 Draw, 60 ft. below spur, drains SE.; ascend gradually.

79.90 To point of triangulation.

80.00 On broken NW. slope, 150 ft. above draw.

Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the ground to bedrock and in a large mound of stone, for cor. of secs. 15, 16, 21, and 22, with brass cap marked.

T34S	R13E
S16	S15
S21	S22

1923

Deposit a sandstone, 10 x 10 x 8 ins. at base of post, marked with a cross (X).

Land, broken by deep box canyons, with a general southeasterly exposure and drainage.

Soil, shallow sandy loam, mixed with loose sandstone; 2nd rate.

Undergrowth, scattering shadscale, sage and black brush.

No timber.

Good grazing.

Note: The line to the E., passes over a series of deep box canyons and high sandstone ledges over which it is impossible to project my line, I therefore abandon my line at this cor.

SUBDIVISION OF T. 34 S., R. 13 E.

Chains

From the cor. of secs. 15, 16, 21 and 22.

S. $0^{\circ}02'$ E., on a true governing section line bet. secs. 21 and 22.

Ascend gradually over broken land through scattering undergrowth.

3.60 Enter rolling top of spur, 40 ft. above cor., projects S. 20° W.

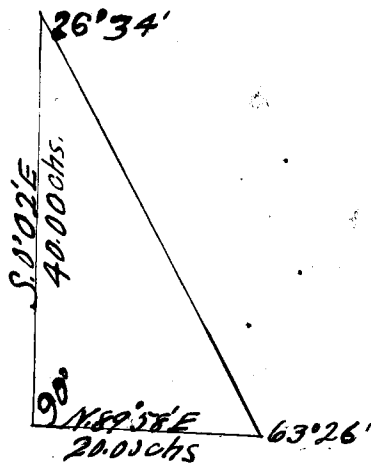
11.60 Leave rolling top of spur, descend gradually over broken SE. slope.

40.00 At brink of abrupt descent over inaccessible sandstone ledges which form the N. breaks of the Colorado River, bears NE. and SW., on sandstone surfacerock, mark a cross (X), over which:

Set an iron post, 3 ft. long, 1 in. diam., in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$
 S21 | S22
 1923

Inaccessible ledges make chaining to the S. impossible, I therefore determine the dist. by tringulation as follows. Erect flag "A" at this point and flag "B" on line to the S. From flag "B", measure base line "BC", N. $89^{\circ}58'$ 20.00 chs. dist., from which point, "AB" subtends an angle of $63^{\circ}26'$. All angles by three repetitions with error of 30" balanced to 180° .



Distance on line =

Distance by triangulation =

Distance by return measurement =

40.00 chs.

40.00 chs.

80.00 chs.

28.00 chs.

52.00 chs.

SUBDIVISION OF T. 34 S., R. 13 E.

Chains

- 52.00 Base of perpendicular sandstone ledge, 220 ft. high, bears NE. and SW.; descend abruptly over broken S. slope.
- 73.00 Trachyte Creek, stream of good water, 10 lks. wide, 5 ins. deep, in channel, 3.00 chs. wide, 20 ft. deep, 870 ft. below the $\frac{1}{4}$ sec. cor.; drains SE.; ascend gradually.
- 80.00 To point of triangulation, on rolling E. slope, 50 ft. above creek.

Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground to bedrock and in a large mound of stone, for cor. of secs. 21, 22, 27, and 28, with brass cap marked.

T34S	R13E
S21	S22
S28	S27

1923

Deposit a granite, 10 x 10 x 8 ins., at base of post, marked with a cross (X). Pits impracticable.

Land, broken with a general southerly exposure and southeasterly drainage.

Soil, shallow sandy loam, mixed with blue clay and sandstone; 3rd rate.

Undergrowth, scattering shadscale, sage and black brush.

Timber, scattering cotton-wood along bottom of Trachyte Creek channel.

Good grazing.

Note: The line to the S. passes over a high sandstone point which forms the breaks of the Colorado River and as it is impossible for me to project my line over this point, I therefore abandon the line.

From the cor. of secs. 21, 22, 27, and 28.

East on a auxiliary base line bet. secs. 22 and 27.

Descend gradually over broken land through scattering undergrowth.

- 11.00 Trachyte Creek, stream of good water, 10 lks. wide, 5 ins. deep, in channel 3.00 chs. wide, 10 ft. deep, 80 ft.

SUBDIVISION OF T. 34 S., R. 13 E.

Chains

below cor., drains SE.; ascend gradually over talus slope of the N. breaks of the Colorado River.

27.60 Spur, 50 ft. above creek, projects SW.; continue gradual ascent.

33.90 Spur, 20 ft. above last spur, projects SE.; descend abruptly.

40.00 On sandstone surfacerock, 70 ft. below spur, mark a cross (X), over which.

Set an iron post, 3 ft. long, 1 in. diam., in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$	S22
	S27

1923

40.30 Gulch, 20 ft. below the $\frac{1}{4}$ sec. cor., drains SE.; ascend abruptly.

41.50 Blue clay spur, 30 ft. above gulch, projects SE.; descend abruptly.

43.00 Gulch, 40 ft. below spur, drains SE.; ascend abruptly.

59.70 Spur, 180 ft. above gulch, projects S.; descend gradually.

80.00 On steep SE. slope, 100 ft. below spur.

Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground to bedrock and in a large mound of stone, for cor. of secs. 22, 23, 26, and 27, with brass cap marked

T34S	R13E
S22	S23
S27	S26

1923

Deposit a sandstone, 8 x 8 x 6 ins., at base of post, marked with a cross (X).

Land, broken with general southerly exposure and drainage. Soil, shallow sandy loam, mixed with blue clay and sandstone; 3rd rate.

Undergrowth, scattering shadscale, sage and black brush. Timber, scattering cottonwood along bottom of Trachyte Creek channel.

Good grazing.

SUBDIVISION OF T. 34 S., R. 13 E.

Chains

Note: The inaccessible N. breaks of the Colorado River ~~over~~ which I am unable to project my line make it impossible to survey the land to the N. and E. of this cor.

From the cor. of secs. 22, 23, 26, and 27.

S. 0°01' E., on a true governing section line bet. secs. 26 and 27.

Descend abruptly over broken talus slope of the N. breaks of the Colorado River through scattering undergrowth.

15.00 Gulch, 170 ft. below cor., drains SW.; ascend gradually.

29.20 Spur, 80 ft. above gulch, projects SW.; descend abruptly.

40.00 On steep SW. slope, 120 ft. below spur.

Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$
S27 | S26
1923

Deposit a sandstone, 8 x 8 x 8 ins., at base of post, marked with a cross. (X).

43.40 Old ditch used at a placer mine at Hite, Ut., 10 lks. wide, 3 ft. deep, drains E.

42.00 Descent becomes more gradual, bears E. and W.

57.40 Trachyte Creek, stream of good water, 10 lks. wide, 3 ins. deep, in channel, 3.00 chs. wide, 10 ft. deep, 130 ft. below the $\frac{1}{4}$ sec. cor., drains SE.; ascend gradually.

66.00 Old wood road, bears NW. and SE.

75.00 Spur, 50 ft. above the Trachyte Creek, projects E.; descend abruptly.

78.60 Irrigation ditch, 10 lks. wide, 2 ft. deep, drains W.

72.00 Base of abrupt descent, bears NW. and SE.; enter cultivated land, bears NW. and SE.

80.00 In cultivated land, 110 ft. below spur.

SUBDIVISION OF T. 54 S., R. 13 E.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in ground, for cor. of secs. 26, 27, 34, and 35, with brass cap marked.

T34S	R13E
S27	S26
S34	S35

1923

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of Land, broken with a general southeasterly exposure and drainage.

Soil, shallow sandy loam, mixed with loose sandstone; 2nd rate.

Undergrowth, scattering shadscale, sage and black brush.

Timber, scattering cotton-wood along bottom of Trachyte Creek channel.

Good grazing.

From the cor. of secs. 26, 27, 34, and 35.

East, on a auxiliary base line bet. secs. 26 and 35.

Over level cultivated land.

19.50 Trachyte Creek, stream of good water, 13 lks. wide, 4 ins. deep, in channel 3.00 chs. wide, 5 ft. deep, drains SW., 7.00 chs. dist. where it empties into the Colorado River.

22.83 Four wire fence, bears N. 15° E., 3.50 chs. dist. to the NW. cor. and S. 15° W., 8.73 chs. to the SW. cor.; thence through alfalfa field and orchard.

31.27 Net wire fence, bears N. 75° W. and S. 75° E.; leave cultivated land, bears same.

32.47 Road, bears N. 75° W. and S. 75° E.; thence ascend gradual

36.30 Spur, 50 ft. high, projects S. 65° E.

38.63 A small rock house built by the Indians, bears N. $0^{\circ}45'$ W., 18.46 chs. dist.; the NE. cor. of field fence bears S. $34^{\circ}45'$ E., 5.85 chs. dist.

40.00 On rolling land.

SUBDIVISION OF T. 34 S., R. 13 E.

Chains

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

526

535

1923

From which,

A point on a large sandstone boulder, bears N. $32^{\circ}15'$ E., 118 lks. dist., marked X HO 526.

A point on a large sandstone boulder, bears S. $25^{\circ}30'$ E., 183 lks. dist., marked X HO 575.

41.50 Draw, 40 ft. deep, drains SW.; ascend gradually over rolling land.

64.40 Spur, 130 ft. above draw, projects SW.; continue gradual ascent.

80.00 On sandstone surface rock, 40 ft. above spur, mark a cross (X), over which:

Set an iron post, 3 ft. long, 1 in. diam., in a large mound of stone, for cor. of secs. 15, 26, 35, and 36, with brass cap marked.

574 5175

110 525

575 530

1923.

Land, rolling with a general southerly exposure and drainage.

Soil, shallow sandy loam; 1st rate.

Undergrowth, scattering shrubs.

No timber,

Good grazing.

East, on a auxiliary base line bet, secs. 25 and 36.

Descend gradually over broken land through scattering undergrowth.

4.80 Draw, 30 ft. below cor., drains SW.; ascend gradually.

8.28 Left point on top of spur, 30 ft. above draw, projects SE.; descend gradually.

SUBDIVISION OF T. 34 S., R. 13 E.

Chains

14.00 Brink of abrupt descent over inaccessible ledges on W. side of Colorado River, bears N. and S., I therefore run on a traverse line through breaks of ledges as follows, from the 8.28 chs. point.
S. 29°30' E., 8.08 chs. dist., thence
N. 18°00' E., 7.39 chs. dist. to

15.24 To point on true line at base of ledges, 250 ft. below spur, bears N. and S.

15.30 Old road, bears South, to Hite, Ut. and North, to Hanksvi. Utah.

15.44 The mean high water mark of the right bank of the Colorado River, bears N. and S.
Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for meander cor. of secs. 25 and 36, with brass cap marked.

T34S	MC
S25	
S36	
R13E	

1923

Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of co Land, rolling, with a general southwesterly exposure and drainage.

Soil, shallow sandy loam, mixed with loose sandstone; 2nd rate.

Undergrowth, scattering shadscale and sagebrush.

No timber.

Good grazing..

From the cor. of secs. 25, 26, 35, and 36.

S. 0°01' E., bet. secs. 35 and 36.

Descend gradually over rolling land through scattering undergrowth.

27.00 Road, bears N. 75° W. to hay field and S. 75° E. to Hite, Ut.

28.70 The NW. cor. of a corral, bears S. 45°15' E., 2.00 chs. dist.; the SW. cor. of a cabin which was

SUBDIVISION OF T: 34 S., R. 13 E.

Chains

at one time, the post office for Hite, Utah, bears S. 82° E., 2.58 chs. dist.; The NE. cor. of a one room log cabin, bears S. 87° E., 3.20 chs. dist.; thence through dense willows on the right bank of the Colorado River.

33.26 The mean high water mark of the right bank of the Colorado River, bears NE. and SW.
Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for meander cor. of secs. 35 and 36, with brass cap marked.

T34S	R13E
S35	S36

MC

1923

From which,

A black willow, 7 ins. diam., bears N. 10°30' E., 54 lks. dist., marked T34S R13E S36 MC BT.

A black willow, 7 ins. diam., bears N. 26°30' W., 38 lks. dist., marked T34S R13E S35 MC BT.

The Colorado River is approximately 17.50 chs. wide at this point.

Land, rolling with a general southerly exposure and drainage.

Soil, shallow sandy loam; 1st rate.

Undergrowth, scattering shadscale, sagebrush and greasewood; dense willow brush along bank of river.

No timber.

Good grazing.

From the cor. of secs. 25, 26, 35 and 36.

N. 0°01' W., bet. secs. 25 and 26.

Ascend gradually over broken land through scattering undergrowth.

10.30 Top of elongated knoll, 50 ft. above cor., bears E. and W.; descend gradually.

SUBDIVISION OF T. 34 S., R. 13 E.

Chains							
17.00	Draw, 60 ft. below knoll, drains SW.; ascend gradually.						
19.50	Spur, 40 ft. above draw, projects SW.; descend gradually.						
21.50	Draw, 40 ft. below spur, drains SW.; ascend gradually.						
24.80	Spur, 30 ft. above draw, projects SW.; descend gradually.						
33.00	Draw, 30 ft. below spur, drains SW.; ascend gradually.						
40.00	On gentle S. slope, 40 ft. above draw. Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground to bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.						
	<div style="text-align: center;"> $\frac{1}{4}$ S26 S25 1923 </div>						
	Deposit a sandstone, 10 x 8 x 8 ins., at base of post, marked with a cross (X).						
	Pits impracticable.						
44.60	Spur, 30 ft. above the $\frac{1}{4}$ sec. cor., projects E.; descend gradually.						
52.30	Draw, 50 ft. below spur, drains N. 60° E.; ascend gradually.						
62.50	Base of abrupt ascent over talus slope, bears NE. and SW.						
68.80	Spur, 100 ft. above draw, projects E.; descend abruptly.						
70.00	Gulch, 40 ft. below spur, drains E.; ascend abruptly.						
74.20	Spur, 50 ft. above gulch, projects E.; descend abruptly.						
76.20	Gulch, 40 ft. below spur, drains E.; ascend abruptly.						
78.10	Spur, 60 ft. above gulch, projects E.; descend abruptly.						
80.00	On broken land, 40 ft. below spur. Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground to bedrock and in a large mound of stone, for cor. of secs. 23, 24, 25, and 26, with brass cap marked.						
	<div style="text-align: center;"> <table border="1"> <tr> <td>T34S</td><td>R13E</td></tr> <tr> <td>S23</td><td>S24 ✓</td></tr> <tr> <td>S26</td><td>S25</td></tr> </table> 1923 </div>	T34S	R13E	S23	S24 ✓	S26	S25
T34S	R13E						
S23	S24 ✓						
S26	S25						
	Deposit a piece of petrified tree, 14 x 14 x 10 ins., at base of post, marked with a cross (X).						

SUBDIVISION OF T. 34 S., R. 13 E.

chains

Land, broken, with a general easterly exposure and drainage.

Soil, shallow sandy loam, mixed with loose sandstone; 3rd rate.

Undergrowth, scattering shadscale and blackbrush.

No timber.

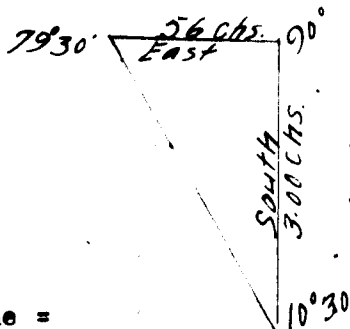
Fair grazing.

Note. The line to the N. and W. of this cor., passes over high inaccessible ledges which form the breaks of the Colorado River and is unsurveyable.

East, on true line bet. secs. 24 and 25.

Descend abruptly over broken sandstone ledges through scattering undergrowth.

- 14.44 Brink of perpendicular ledge, 200 ft. below cor., bears N. and S. It being impossible to chain over ledge, I determine the distance by triangulation as follows. Erect flag "A" at this point and flag "B" on line E. From flag "B", measure base line "BC", South, 3.00 chs. dist., from which point, "AB" subtends an angle of $10^{\circ}30'$. All angles by three repetitions with error of $0'30''$ balanced to 180° .



Distance on line =

Distance by triangulation =

14.44 chs.

.56 chs.

15.00 chs.

- 15.00 To point of triangulation at base of ledge, 350 ft. below top, bears N. and S.; thence descend gradually.

15.20 Old road, bears N. and S.

- 15.47 The mean high water mark of the right bank of the Colorado River.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for meander cor. of secs. 24 and 25, with brass cap marked.

SUBDIVISION OF T. 34 S., R. 13 E.

Chains

T34S

S24

MC

S25

R13E

1923

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. of sec. 24. Land, broken by sandstone ledges with a general easterly exposure and drainage.

Soil, shallow sandy loam, mixed with loose sandstone; 2n Undergrowth, scattering shadscale and black brush.

No timber.

Fair grazing.

As it is impossible to project any line W. from the cor. of secs. 23, 24, 25, and 26, I commence at the $\frac{1}{4}$ sec. cor. of secs. 25 and 26.

Thence,

West, on random line through sec. 26.

40.00 Left temp. point for center $\frac{1}{4}$ sec. cor. of sec. 26.

79.90 Intersect the E. bdy. of sec. 27, 9 lks. S. of the $\frac{1}{4}$ sec. cor. of secs. 26 and 27.

Thence,

S. $83^{\circ}56'$ E., on true line through sec. 26.

Ascend gradually over broken land through scattering undergrowth.

1.20 Spur, 20 ft. above cor., projects S.; descend abruptly.

3.50 Draw, 40 ft. below spur, drains S.; ascend abruptly.

10.70 Spur, 170 ft. above draw, projects S.; descend gradually.

21.60 Gulch, 60 ft. below spur, drains S. 20° W.; ascend abruptly.

25.70 Spur, 70 ft. above draw, projects S.; descend gradually.

34.00 Gulch, 40 ft. below spur, drains S.; ascend abruptly.

36.60 Enter rolling top of mesa, 80 ft. above gulch, bears

N. 30° W. and S. 30° E.

39.95 On sandstone surface rock, mark a cross (X), over which:

Set an iron post, 3 ft. long, 1 in. diam., in a large

SUBDIVISION OF T. 34 S., R. 13 E.

Chains

47.20 Mound of stone, for center $\frac{1}{4}$ sec. cor. sec. 26, with
brass cap marked.

67.60 C $\frac{1}{4}$ S26

74.70 1923

79.90 Brink of gradual descent from mesa, bears NE. and SW.

Draw, 200 ft. below mesa, drains S.; ascend gradually.

Spur, 30 ft. above draw, projects S.; descend gradually.

The $\frac{1}{4}$ sec. cor. of secs. 25 and 26.

Land, broken talus slope of the N. breaks of the Colorado
River, with a general southerly exposure and drainage.

Soil, shallow sandy loam, mixed with loose clay and
sandstone; 3rd rate.

No timber.

Good grazing.

From the cor. of secs. 26, 27, 34, and 35.

S. $0^{\circ}01'$ E., on true line bet. secs. 34 and 35.

Over level cultivated land.

6.10 Leave cultivated land and enter dense willow thicket,
bears N. 60° E. and S. 60° W.; cultivated land bears
N. 60° E., 20.00 chs. dist. and S. 60° W., 12.00 chs.
dist.

11.34 The mean high water mark of the right bank of the
Colorado River.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the
ground, for meander cor. of secs. 34 and 35, with brass
cap marked.

T34S	R13E
S34	S35

MC

1925

From which,

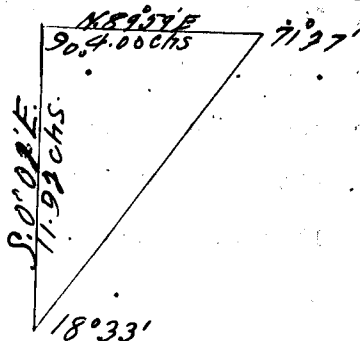
A black willow, 5 ins. diam., bears N. 50° E., 34 lks.
dist., marked T34S R13E S35 MC BT.

A black willow, 6 ins. diam., bears N. 12° W., 44 lks.
dist., marked T34S R13E S34 MC BT.

SUBDIVISION OF T. 34 S., R. 15 E.

Chains

Note: The Colorado River at this point, is 11.92 chs. w distance determined by triangulation as follows; erect flag "A" at the meander cor. and designate a sharp poi on a boulder on line S. across river as "B". From flag "A", measure a base line, N. 89°59' E., 4.00 chs. dist from which point, "AB" subtends an angle of 71°27'. Al angles by three repetitions with error of 0'20" balance to 180°.



Distance by triangulation =

11.92 chs.

Land, level cultivated field.

Soil, deep sandy loam; 1st rate.

Undergrowth, dense willows on right bank of river.

No timber.

Good grazing.

From the cor. of secs. 26, 27, 34, and 35.

West, on true line bet. secs. 27 and 34.

Over level cultivated land.

3.40 Leave cultivated land, bears N. 70° E. and S. 70° W.

4.00 Irrigation ditch, 10 lks. wide, 2 ft. deep, drains SW.; ascend gradually over broken S. slope.

14.80 Spur, 50 ft. above cor., projects SE.; descend abruptly.

18.60 Draw, 140 ft. below spur, drains S.; ascend abruptly.

19.20 Trail, bears NW. to the Tickaboo Ranch and SE. to Hite,

Ut. Note: The Tickaboo Ranch is located on the left bank of the Colorado River, about 12 miles down the river from Hite.

29.50 Spur, 80 ft. above draw, projects S.; descend abruptly.

31.20 Draw, 40 ft. below spur, drains S.; ascend abruptly.

38.40 Spur, 60 ft. above draw, projects SE.; descend gradually.

SUBDIVISION OF T. 34 S., R. 13 E.

Chains

40.00 On broken S. slope, 20 ft. below spur.
Set an iron post, 3 ft. long, 1 in. diam., 15 ins. in the ground to bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

	S27
$\frac{1}{4}$	<hr/>
	S34

1923

Deposit a sandstone, 8 x 8 x 6 ins., at base of post, marked with a cross (X).

Pits impracticable.

Thence ascend gradually.

55.36 Trial, bears NE. to Hite, Ut. and SW. to the Tickaboo Ranch.; thence ascend abruptly over broken S. talus slope of the N. breaks of the Colorado River.

71.00 Spur, 400 ft. above the $\frac{1}{4}$ sec. cor., projects S. 20° E.; descend abruptly.

78.20 Gulch, 150 ft. below spur, drains S.; ascend abruptly.

80.00 On broken SE. slope, 50 ft. above gulch.

Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the ground to bedrock and in a large mound of stone, for cor. of secs. 27, 28, 33, and 34, with brass cap marked.

T34S	R13E
S28	S27
S33	S34

1923

Deposit a sandstone, 8 x 8 x 8 ins., at base of post, marked with a cross (X).

Land, broken by deep gulches and sandstone ledges with a general southerly exposure and drainage.

Soil, shallow sandy loam, mixed with blue clay and sandstone; 3rd rate.

Undergrowth, scattering shadscale, sage, and black brush. No timber.

Good grazing.

Note: The lines to the N. and W. of this cor. passes over

SUBDIVISION OF T. 34 S., R. 13 E.

Chains

the inaccessible N. breaks of the Colorado River and is unsurveyable.

From the cor. of secs. 27, 28, 33, and 34.

S. $0^{\circ}02'$ E., on true line bet. secs. 33 and 34.

Descend abruptly over broken S. talus slope of the N. breaks of the Colorado River, through scattering undergrowth.

- 8.50 Gulch, 200 ft. below cor., drains SE.; ascend abruptly.
- 11.10 Spur, 50 ft. above gulch, projects E.; descend gradually.
- 12.10 Trail, bears NE. to Hite, Ut. and SW. to the Tickaboo Ranch.
- 15.40 Draw, 40 ft. below spur, drains E.; ascend gradually.
- 16.00 Trail, bears SE. to the Tickaboo Ranch and NW. to Hite.
- 21.80 Spur, 40 ft. above draw, projects SE.; descend abruptly.
- 31.00 Draw, 60 ft. below spur, drains E.; ascend gradually.
- 36.00 Spur, 40 ft. above draw, projects E.; descend abruptly.
- 37.46 Trail, bears NE. to Hite and SW. to the Tickaboo Ranch.
- 38.10 Begin abrupt descent into the Colorado River, bears E. and W.
- 40.00 On broken S. slope, 130 ft. below spur; no iron post, being available:
 Set a hard red sandstone, 30 x 12 x 12 ins., 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face,
 From which,
 A point on a sandstone ledge, bears S. 8° E., 40 lks. dist., marked X B0 S34.
 A point on a sandstone ledge, bears S. 25° W., 25 lks. dist., marked X B0 S33.
- 46.10 Draw, 150 ft. below the $\frac{1}{4}$ sec. cor., drains E., 1.50 chs. dist. to the Colorado River; ascend gradually.
- 49.00 The E. point of spur, 30 ft. above draw; descend abruptly.
- 49.60 The mean high water mark of the Colorado River, 20 ft. below point of spur.

Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the

· SUBDIVISION OF T. 34 S., R. 13 E.

chains

ground to bedrock and in a large mound of stone, for
meander cor. of secs. 33 and 34, with brass cap marked.

T34S	R13E
S33	S34

MC

1923

Deposit a sandstone, 8 x 8 x 8 ins., at base of post,
marked with a cross (X).

Land, broken N. breaks of the Colorado River, with a
general southerly exposure and southeasterly drainage.
Soil, shallow sandy loam, mixed with blue clay and sand-
stone; 3rd rate.

Undergrowth, scattering shadscale and blackbrush.

No timber.

Fair grazing.

As it is impossible to project my line to the N. or W.
of the cor. of secs. 27, 28, 33 and 34, on account of
inaccessible sandstone ledges, I commence at the $\frac{1}{4}$ sec.
cor. of the N. bdy. of sec. 27.

Thence,

S. $0^{\circ}02'$ E., on random line through sec. 27.

40.00 Set temp. center $\frac{1}{4}$ sec. cor. sec. 27.

80.10 Intersect the S. bdy. of sec. 27, at the $\frac{1}{4}$ sec. cor.
secs. 27 and 34.

Thence,

N. $0^{\circ}02'$ W., on true line through sec. 27.

Ascend gradually over broken land through scattering
undergrowth.

3.30 Spur, 50 ft. above cor., projects E.; descend gradually.

5.80 Swale, 40 ft. below spur, drains E.; trail in swale,
bears NE. to Hite, Ut. and SW. to the Tickaboo Ranch.

13.50 Spur, 40 ft. above swale, projects E.; descend gradually.

27.50 Gulch, 60 ft. below spur, drains E.; ascend abruptly.

29.20 Spur, 40 ft. above gulch, projects E.; descend gradually.

SUBDIVISION OF T. 34 S., R. 13 E.

Chains

- 37.20 Brink of abrupt descent into draw, bears E. and W.
- 38.60 Draw, 80 ft. below spur, drains E.; ascend gradually.
- 40.05 On sandstone surfacerock, 30 ft. above draw, mark a cross (X), over which:
Set an iron post, 3 ft. long, 1 in. diam., in a large mound of stone, for center $\frac{1}{4}$ sec. cor. sec. 27, with brass cap marked.
- C $\frac{1}{4}$ S27
- 1923
- 45.80 Spur, 40 ft. above the $\frac{1}{4}$ sec. cor., projects E; descend gradually.
- 48.00 Draw, 40 ft. below spur, drains E.; ascend gradually.
- 52.40 Spur, 30 ft. above draw, projects E; descend abruptly over broken sandstone ledges.
- 58.60 Enter rolling bottom of Trachyte Creek bed, bears E. and
- 58.90 Old wood road, bears E. and W.
- 64.80 Trachyte Creek, stream of good water, 10 lks. wide, 6 ins. deep, in channel, 3.00 chs. wide, 10 ft. deep, 180 ft. below spur, drains SE.
- 70.00 Leave rolling bottom of Trachyte Creek bed, bears NW. and SE.; thence ascend abruptly over broken S. talus slope.
- 80.10 The $\frac{1}{4}$ sec. cor. secs. 22 and 27, 80 ft. above stream. Land, broken by sandstone ledges with a general easterly exposure and drainage.
Soil, shallow sandy loam, mixed with loose sandstone and blue clay; 3rd rate.
Undergrowth, scattering shadscale, sage, and black brush.
Timber, scattering cotton-wood along bottom of Trachyte Creek channel.
Good grazing.

From the cor. of secs. 15, 16, 21 and 22.

N. $0^{\circ}02'$ W., on true line bet. secs. 15 and 16.

Descend gradually over broken land through scattering undergrowth.

SUBDIVISION OF T. 34 S., R. 13 E.

Chains

- 4.00 Head of draw, 30 ft. below cor.; drains S. 60° W.; ascend gradually.
- 13.00 Top of elongated knoll, 60 ft. above head of draw, bears NW. and SE.; descend gradually.
- 34.80 Draw, 50 ft. below knoll, drains SW.; ascend gradually.
- 40.00 On sandstone surfacerock, 50 ft. above draw, mark a cross (X), over which:
Set an iron post, 3 ft. long, 1 in. diam., in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

1
S16 | S15
1923

- 43.60 Spur, 30 ft. above cor., projects SW.; descend abruptly.
- 62.20 Sandstone gulch, 200 ft. below spur, drains SW.; ascend abruptly.
- 68.70 Ascent becomes gradual, bears NE. and SW.
- 80.00 On sandstone surfacerock, 220 ft. above gulch, mark a cross (X), over which:
Set an iron post, 3 ft. long, 2 ins. diam., in a large mound of stone, for cor. of secs. 9, 10, 15, and 16, with brass cap marked.

T34S R13E
S9 | S10
S16 | S15
1923

Land, broken, with a general southwesterly exposure and drainage.

Soil, shallow sandy loam, mixed with loose sandstone;
2nd rate.

Undergrowth, scattering shadscale and sagebrush.

No timber.

Good grazing. Note: The land to the E. and W. of this cor. is unsurveyable on account of deep box canyons.

SUBDIVISION OF T. 34 S., R. 13 E.

Chains

N. 0°02' W., bet. secs. 3 and 10.

Ascend abruptly over broken land through scattering undergrowth.

9.00 Spur, 80 ft. above cor., projects S. 70° W.; descend abruptly over sandstone ledges.

22.00 Descent becomes more gradual, bears E. and W.

29.40 Sandstone gulch, 170 ft. below spur, drains W.; ascend abruptly.

33.60 Spur, 70 ft. above gulch, projects W.; descend gradually.

40.00 On sandstone surfacerock, 40 ft. below spur, mark a cross (X), over which.

Set an iron post, 3 ft. long, 1 in. diam., in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S9 | S10

1923

45.00 Gulch, 60 ft. below the $\frac{1}{4}$ sec. cor., drains SW.; ascend abruptly over sandstone ledges.

73.80 Sandstone ridge, 230 ft. above gulch, bears NE. and SW.; descend abruptly over broken NW. slope of ridge.

80.00 On broken NW. slope of ridge, 70 ft. below top.

Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the ground to bedrock and in a large mound of stone, for cor. of secs. 3, 4, 9, and 10, with brass cap marked.

T34S | R13E
S4 | S3
S9 | S10

1923

Deposit a sandstone, 8 x 8 x 6 ins., at base of post, marked with a cross (X).

Land, broken by deep gulches and sandstone ledges with a general southwesterly exposure and drainage.

Soil, shallow sandy loam, mixed with loose sandstone; 2nd rate.

SUBDIVISION OF T. 34 S., R. 13 E.

Chains

Undergrowth, scattering shadscale, sage and black brush.
No timber.

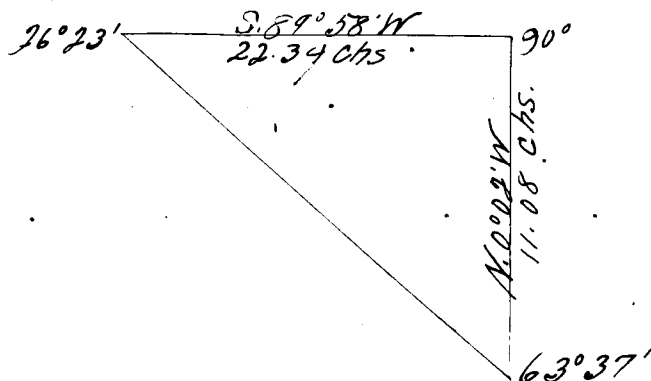
Good grazing.

Note: The line to the E. and W. of this cor. passes over deep box canyons and sandstone ledges and is unsurveyable.

N. $0^{\circ}02'$ W., on random line bet. secs. 3 and 4.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

68.92 Inaccessible ledges make chaining to the N. on line impossible, I therefore determine the distance by triangulation as follows. Erect flag "A" at this point and flag "B" at the cor. of the N. bdy. of the township, for secs. 3, 4, 33 and 34. From flag "B", measure a base line, S. $89^{\circ}58'$ W., 22.34 chs., from which point, "AB" subtends an angle of $26^{\circ}23'$. All angles by three repetitions with error of $0'30''$ balanced to 180.



Distance on line =	68.92 chs.
Distance by triangulation =	11.08 chs.
	<u>80.00 chs.</u>

80.00 To point of triangulation at the cor. of secs. 3, 4, 33, and 34, on the N. bdy. of the township, The bearing of this mile therefore is, N. $0^{\circ}02'$ W., and the distance is 80.00 chs.

Thence,

S. $0^{\circ}02'$ E., on true line, bet. secs. 3 and 4, by triangulation.

Ascend abruptly over inaccessible sandstone ledges through scattering undergrowth.

SUBDIVISION OF T. 34 S., R. 13 E.

Chains	
11.08	To point of traingulation on top of sandstone ridge, 350 ft. above cor., bears NE. and SW.; descend abruptly over broken sandstone ledges.
40.00	On sandstone surfacerock, 440 ft. below ridge, mark a cross (X), over which: Set an iron post, 3 ft. long, 1 in. diam., in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked <div style="text-align: center;">$\frac{1}{4}$ S4 | S3 1923</div>
40.50	Sandstone gulch, 20 ft. below cor., drains SW.; ascend gradually over broken NW. slope .
47.60	Spur, 50 ft. above gulch, projects SW.; descend abruptly
50.40	Gulch, 60 ft. below spur, drains S. 70° W.; ascend abruptly over broken sandstone ledges.
58.30	Sandstone spur, 250 ft. above gulch, projects SW.; descend abruptly.
69.50	Sandstone gulch, 230 ft. below spur, drains SW.; ascend abruptly.
80.00	The cor. of secs. 3, 4, 9, and 10, 120 ft. above gulch. Land, broken by sandstone ledges and deep gulches, with a general southwesterly exposure and drainage. Soil, shallow sandy loam, mixed with loose sandstone; 2nd rate. Undergrowth, scattering shadscale, sage, and black brush. No timber. Good grazing.

It being impossible to project my line to the N. or S.
of the cor. of secs. 16, 17, 20, and 21, I commence at
the cor. of secs. 17, 18, 19, and 20.

Thence,

S. 0°03' E., on true line bet. secs. 19 and 20.

Over rolling top of mesa through scattering undergrowth.

SUBDIVISION OF T. 34 S., R. 13 E.

Chains

- 6.40 Brink of mesa and top of abrupt descent over sandstone ledges into box canyon, bears E. and W.
- 7.50 Bottom of box canyon, 100 ft. below cor., drains E.; ascend abruptly.
- 2.40 Spur, 60 ft. above bottom of canyon, projects NE.; descend gradually.
- 12.10 Draw, 40 ft. below spur, drains NE.; ascend gradually.
- 38.40 Spur, 270 ft. above draw, projects E.; descend abruptly.
- 40.00 On sandstone surfacerock, 40 ft. below spur, mark a cross (X), over which:
Set an iron post, 3 ft. long, 1 in. diam., in a large mound of stone, for sec. cor., with brass cap marked.

S13 | S20

1323

Land, broken by sandstone ledges and deep draws and box canyons with a general southeasterly exposure and easterly drainage.

Soil, shallow sandy loam, mixed with loose sandstone; 2nd rate.

Undergrowth, scattering shadscale, sage and black brush.

No timber.

Good grazing.

Note: The line to the S. of this cor., passes over deep box canyons and inaccessible sandstone breaks over which I am unable to project my line, I therefore abandon the line at this point.

From the cor. of secs. 17, 18, 19, and 20.

N. 0°03' W., on true line bet. secs. 17 and 18.

Over rolling top of mesa through scattering undergrowth.

- 6.80 Brink of mesa and top of abrupt descent into box canyon, bears E. and W.
- 10.00 Bottom of box canyon, 130 ft. below cor., drains E.; ascend abruptly.

SUBDIVISION OF T. 34 S., R. 13 E.

Chains

11.60 Top of N. breaks of canyon, 80 ft. above bottom, bears E. and W.; thence ascend gradually.

31.00 Spur, 150 ft. above top of N. breaks of canyon, projects SE.; descend gradually.

40.00 On sandstone surfacerock, 50 ft. below spur, mark a cross (X), over which:

Set an iron post, 3 ft. long, 1 in. diam., in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
 S18 | S17
 1923

Land, broken, with a general southeasterly exposure and drainage.

Soil, shallow sandy loam, mixed with loose sandstone; 2nd rate.

Undergrowth, scattering shadscale, sage, and black brush. No timber.

Good grazing.

Note: The line to the N. of this cor., passes over deep box canyons and sandstone ledges which form the W. breaks of Trachyte Canyon and it being impossible for me to project my line over these breaks I abandon it at this point.

MEANDERS, T. 34 S., R. 13 E.

Meanders of the right bank of the Colorado River, down stream.

Commence at the meander cor. of secs. 24 and 25.

Thence, with meanders in sec. 25.

Throught dense willow undergrowth.

S. 2°00' W., 7.10 chs. Bank 6 ft. high.

South, 10.40 chs.

S. 3°30' E., 7.10 chs. Bank 8 ft. high.

S. 14°00' E., 3.10 chs.

MEANDERS, T. 34 S., R. 13 E.

Meanders of the right bank of the Colorado River, down stream.

S. 1°00' W., 8.50 chs.

S. 2°30' W., 21.00 chs.

S. 3°00' E., 9.90 chs. Bank 4 ft. high.

S. 1°36' W., 13.06 chs. To meander cor. of secs. 25 and 36.

Land, broken base of high ledge.

Soil, alluvial, mixed with large sandstone boulders; 2nd rate.

Undergrowth, dense willows approximately 10 ft. high.

No timber.

Poor grazing.

Thence in sec. 36.

Through dense willow undergrowth.

S. 2°15' W., 10.30 chs. Bank 6 ft. high.

S. 18°00' W., 2.70 chs.

S. 13°30' W., 3.60 chs.

S. 16°30' W., 5.50 chs. Bank 8 ft. high.

S. 31°30' W., 2.70 chs.

S. 47°30' W., 2.60 chs. Enter scattering cotton-wood timber.

S. 42°00' W., 5.00 chs. Bank 4 ft. high.

S. 34°00' W., 6.20 chs. To meander cor. of secs. 35 and 36.

Soil, alluvial; 2nd rate.

Land, broken base of ledge.

Undergrowth, dense willows approximately 10 ft. high.

Timber, scattering cotton-wood on last three courses.

Good grazing.

MEANDERS, T. 34 S., R. 13 E.

Chains

Meanders of the right bank of the Colorado River, down stream.

Thence in sec. 35.

Through dense undergrowth and scattering timber.

S. 75°30' W., 5.43 chs. Bank 5 ft. high.

N. 63°30' W., 11.30 chs.

N. 52°30' W., 13.80 chs.

N. 60°30' W., 3.00 chs.

N. 71°00' W., 27.35 chs. At 6.43 chs., the S. end of
of 5 wire fence, bears
N. 15° E.

At 26.36 chs. the S. end of
wire fence, bears N. 15° E.

S. 84°00' W., 2.20 chs. To left bank of Trachyte Creek.

N. 81°00' W., 3.60 chs. To right bank of Trachyte Creek.

S. 66°30' W., 2.10 chs. To the meander cor. of secs. 34
and 35.

Land, rolling.

Soil, alluvial, 1st rate.

Undergrowth, dense willows, approximately 12 ft. high.

Timber, scattering cotton-wood.

Good grazing.

Thence in sec. 34.

Through dense undergrowth and scattering timber.

S. 62°55' W., 6.50 chs. Bank 5 ft. high.

S. 82°00' W., 32.20 chs.

West, 2.30 chs.

N. 86°00' W., 4.60 chs.

N. 53°30' W., 6.10 chs.

S. 82°00' W., 3.30 chs. Bank 10 ft. high.

S. 56°30' W., 7.00 chs. Over sandstone surface rock at
base of ledge, 50 ft. high.

S. 37°00' W., 4.80 chs.

S. 31°30' W., 11.40 chs.

S. 40°00' W., 3.50 chs.

S. 22°00' W., 16.80 chs. To the meander cor. of secs. 33
and 34.

MEANDERS, T. 34 S., R. 13 E.

Soil, alluvial; 1st rate on E. portion, sandstone surface-
rock on W. portion.

Land, rolling on E. portion, broken sandstone surface-
rock on W. portion.

Undergrowth, dense willows on E. portion, none on W.
portion.

Timber, scattering cotton-wood and black willow on E.
portion, none on W. portion.

Good grazing on E. portion, poor on W. portion.

LATITUDES, DEPARTURES, AND CLOSING ERRORS.

Lines designated.	True bearings.	Dist- ances. Chs.	Latitudes.		Departures.	
			N. Chs.	S. Chs.	E. Chs.	W. Chs.
W. bdy. T34S R13E	South	240.00		240.00		
S. bdy. sec. 18	East	72.15			72.15	
S. bdy. sec. 17	East	80.00			80.00	
S. bdy. sec. 16	East	80.00			80.00	
E. bdy. sec. 16	North	80.00	80.00			
E. bdy. sec. 2	North	80.00	80.00			
E. bdy. sec. 4	North	80.00	80.00			
N. bdy. T34S R13E	West	238.87				238.87
Convergency						.14
			240.00	240.00	239.15	239.01
			240.00		239.01	
			0.00		0.14	

LATITUDES, DEPARTURES, AND CLOSING ERRORS.

Lines designated	True bearings	Dist-ances.	Latitudes.		Departures.	
			N.	S.	N.	W.
		chs.	chs.	chs.	chs.	chs.
N. bdy. of E. $\frac{1}{2}$ sec. 27	East	40.00			40.00	
E. bdy. of NE. $\frac{1}{4}$ sec. 27	S.0°01'E.	40.00		40.00	.01	
N. bdy. of S. $\frac{1}{2}$ sec. 26	S.89°56'E.	79.30		.03	79.30	
W. bdy. of N. $\frac{1}{2}$ sec. 25	N.0°01'W.	40.00	40.00			.01
N. bdy. sec. 25	East	15.47			15.47	
Meanders in sec. 25	S.2°00'W.	7.10		7.10		.25
	South	10.40		10.40		
	S.3°30'E.	7.10		7.09	.43	
	S.14°00'E.	3.10		3.01	.75	
	S.1°00'W.	8.50		8.50		.15
	S.2°30'W.	21.00		20.98		.92
	S.3°00'E.	9.30		9.89	.52	
Meanders in 36	S.1°36'W.	13.06		13.05		.36
	S.2°15'W.	10.30		10.17		1.66
	S.18°00'W.	2.70		2.57		.83
	S.13°30'W.	3.60		3.50		.84
	S.16°30'W.	5.50		5.27		1.56
	S.31°30'W.	2.70		2.30		1.41
	S.47°30'W.	2.60		1.76		1.92
	S.49°00'W.	5.00		3.28		3.97
Meanders in sec. 35	S.34°00'W.	6.20		5.14		3.47
	S.75°30'W.	5.43		1.36		5.26
	N.69°30'W.	11.30	3.36			10.56
	N.52°30'W.	19.80	12.05			15.71
	N.60°30'W.	3.00	1.48			2.61
	N.71°00'W.	27.35	8.30			25.86
	S.84°00'W.	2.20		.23		2.19
Meanders in sec. 34	N.81°00'W.	9.60	1.50			9.48
	S.66°30'W.	9.10		3.63		8.35
	S.62°55'W.	6.50		2.96		5.79
	S.82°00'W.	32.20		4.48		31.89
	West	2.30				2.30
	N.86°00'W.	4.60	.32			4.59
	N.59°30'W.	8.10	4.11			6.98
	S.82°00'W.	3.30		.46		3.27
	S.56°30'W.	7.00		3.86		5.84
	S.37°00'W.	4.80		3.83		2.89
	S.31°30'W.	11.40		9.72		5.96
	S.40°00'W.	3.50		2.68		2.25
	S.29°00'W.	16.80		14.69		8.14
W. bdy. sec. 34	N.0°02'W.	49.60	49.60			.03
N. bdy. of W. $\frac{1}{2}$ sec. 34	East	40.00			40.00	
W. bdy. of E. $\frac{1}{2}$ sec. 27	N.0°02'W.	80.10	80.10			.05
Convergency					.14	
			202.02	202.00	177.22	177.17
			202.00		177.17	
Errors in latitudes and departures			0.02		0.05	

GENERAL DESCRIPTION OF T. 34 S., R. 13 E.

The land within this township, consists of the broken breaks of Trachyte Canyon and the Colorado River, which consists of high inaccessible sandstone ledges, cut by deep box canyons and gulches with perpendicular sandstone walls.

The township in general consists mostly of sandstone surfacerock, but a shallow sandy loam soil is found on the tops of the broken mesas between the rims of the box canyons and gulches and along the bottom lands of Trachyte Canyon and the Colorado River.

The only timber found was a few scattering scrub juniper and pinon in the southwest portion of the township and scattering cotton-wood and black willow along the bottom lands of the Trachyte Canyon and Colorado River.

The broken tops of the mesas between the rims of the box canyons and gulches is covered with a scattering undergrowth of shadscale, bunch grass, sage, and black brush, but on account of the inaccessible rims of the mesas making it impossible for stock to reach these mesas, the township is only grazed to a small extent. The bottom lands of Trachyte Canyon and the Colorado River, is covered with a dense undergrowth of willows and scattering shadscale, sage, and black brush, which affords good grazing to approximately one hundred head of stock during both winter and summer months.

The only land suitable for farming purposes is approximately one hundred-sixty acres, located in the bottom lands of the north side of the Colorado River, in secs. 34, 35, and 36. Approximately forty acres of this land is being cultivated by Thomas Humphrey who was the only settler on the township at the time of the survey and maintains a home at Hite, Utah, located in sec. 36 of this township.

The principal crops being raised are corn, alfalfa, garden vegetables and fruit. This land is irrigated by the water from Trachyte Creek, but as this stream only

GENERAL DESCRIPTION OF T. 34 S., R. 13 E.

flows during the early summer month and the rainy season, the raising of crops are uncertain during the dry seasons.

Hite, Utah, which was at one time a small placer mining camp and located on the north bank of the Colorado River in sec. 36, consists of two, one room log cabins, a corral, a one room rock store house, and a small log granary. These buildings are very poorly constructed from cotton-wood logs and at the time of the survey, were in a very poor condition.

The only improvements on the township, are the buildings at Hite, approximately thirty fruit trees twelve grape vines, twelve acres of alfalfa, twenty-eight acres of plowed land, one half mile of ditch and one half mile of fencing, all of which are located in the bottom lands on the north side of the Colorado River, in secs. 34, 35, and 36.

An old wood road leads from Hite to the mouth of Trachyte Canyon, which is located in the NW. $\frac{1}{4}$, of sec. 27. The only possible means of reaching Hite with a team and wagons is by an old road which follows the right bank of the Colorado River. This road is in very poor condition and in some places is almost impassible.

The only portion of the township that could be surveyed, was a portion of secs. 25, 26, 27, 34, 35, and 36. The remainder of the township was unsurveyable, being broken by the inaccessible breaks of Trachyte Canyon and the Colorado River. No portion of the township on the left side of the Colorado River was surveyed on account of there being no practicable means of crossing the river at the time of the survey, and this portion consists of broken sandstone ledges which form the south breaks of the River. Dandy Crossing is located approximately 15.00 chs. up the Colorado River from Hite, and at one time, a ferry was in service at this point.

BOOK A 405
GENERAL DESCRIPTION OF T. 34 S., R. 13 E.

No indications of mineral were found in the township,
but indications of placer mining were found in sec. 36.
The magnetic declination was not taken on account of a
defective needle.

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Page

CERTIFICATE OF UNITED STATES SURVEYOR, AND

Elliott Bird

and Robert C Yundt, U.S. Transitman

U. S. Surveyor, hereby certify upon honor that, in

of special instructions received from the U. S. Surveyor General for Utah

bearing date of the 14th day of February, 19 23 ^{We} have well, faithfully, and

in my ^{our} ~~own~~ proper person^s, and in strict conformity with said instructions, the Manual of Surveying In-
structions, and the laws of the United States, surveyed all those parts or portions of the north and
boundaries, and subdivision of T. 34 S., R. 13 E.

of the Salt Lake Base

and

Meridian, in the State of Utah

which are represented

and date diagram

on dates shown on said diagram

the foregoing field notes as having been executed by ~~me~~ ^{us}, and under ~~my~~ ^{our} direction, and that all the corners

said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instru-
tions, and the special written instructions of the U. S. Surveyor General for Utah

and in the specific manner described in the field notes, and that the foregoing are the original field notes
such survey.

Salt Lake City, Utah.

February 14, 1924.

Elliott Bird
Robert C Yundt
U. S. Surveyor
U. S. Transitman

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

March 28, 1924

The foregoing field notes of the survey of a Portion of the North and West

Boundaries, and a portion of the subdivision of T. 34 S. R. 13 E.

Of the Salt Lake Base and Meridian, Utah.

executed by Elliott Bird, U.S. Surveyor, and Robt. C. Yundt, U.S. Transitman

under ~~his~~ special instructions dated February 14, 1923

critically examined, and the necessary corrections and explanations made, the said field notes, and the survey
thereby described, are hereby approved.

A. D. Dawson
U. S. Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in

has been correctly copied from the original notes on file in this office.

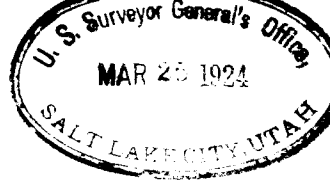
U. S. Surveyor General

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4-679

BOOK A-465

A

FIELD NOTES

OF THE ^{RE}SURVEY OF THE

WEST BOUNDARY AND PORTION OF THE NORTH BOUNDARY

AND THE SURVEY OF

PORTION OF THE SUBDIVISION OF

T. 19 S., R. 14 E.,

Of the Salt Lake Base and Meridian Meridian,

In the State of Utah

EXECUTED BY

Jos. C. Thoma.

In the capacity of U. S. ^{Cadastral Engineer}~~Surveyor~~, under instructions dated May 23, 1923,
issued by the United States Surveyor General to govern surveys included in
Group No. 137, which were approved by the Commissioner of the General Land
Office, June 26, 1923,
Assignment Instructions dated June 27, 1923.

Survey commenced July 4, 1923

Survey completed August 18, 1923

BOOK A-465

INDEX DIAGRAM.

Township 19 South, Range 14 East.

11, 7, 11, 5

15	6	37	5	21	4	3	2	1
	36		35					
14	7	34	8	21	9	10	11	12
	33		33					
13	18	32	17	20	16	15	14	13
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11	19	28	20	19	21	22	23	24
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BOOK A-465

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INDEX DIAGRAM.

Township 19. S, Range 44. E

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447	436	424	15	14	13	
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445	432	423	22	23	24	
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T. 19 S., R. 14 E.

DATE DIAGRAM.

7/9/23. 7/10/23	7/19/23	7/19/23	8/18/23
	6	5	
7/9/23	7/17/23	7/24/23	8/18/23
	7	8	
7/7/23. 7/9/23	7/16/23	7/17/23	8/17/23
	18	17	
7/7/23	7/13/23	8/16/23	8/16/23
	19	20	
7/6/23	7/12/23	7/13/23	8/15/23
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7/5/23	7/11/23	8/13/23	8/13/23
	31	32	

Instrument Tests and Observations.

T. 19 S., R. 14 E.

Chains

Survey commenced July 4, 1923, and executed with Buff & Buff light mountain transit No. 9218; the instrument is equipped with a full vertical circle and the Smith solar attachment; all azimuth determinations are accomplished with the solar attachment except the special observations on Polaris upon which to test the solar apparatus as stated in the field notes.

July 4; at my camp, which is located near the $\frac{1}{4}$ sec. cor. between sections 12 and 13, T. 19 S., R. 13 E., in approximate longitude $110^{\circ} 27'$ W.; latitude $39^{\circ} 16'$ N., I examine the adjustments of the instrument and find them correct, then, to test the solar apparatus by comparing its indications resulting from solar observations made during a. m. and p. m. hours with a meridian determined by observations on Polaris, I proceed as follows:

At my station in camp, at app. noon I observe the sun on the meridian for time and latitude, observing simultaneously the altitude of the sun's lower limb and the transit of the sun's west limb, reversing the telescope and observing simultaneously the altitude of the sun's upper limb and the transit of the sun's east limb:

Mean observed altitude,	$73^{\circ} 40' 00''$
Reduced latitude	$39^{\circ} 15' 45''$
Mean watch time of observation	12h 27m 30s
Watch fast of local mean time	0h 23m 29s

At the same station at app. noon, I set off $22^{\circ} 56'$ N. on the decl. arc; and observe the sun on the meridian; the resulting reading of the lat. arc is $39^{\circ} 13'$ N, which differs $0^{\circ} 03'$ from the lat. as determined by direct observations.

At 3h p.m., app. t., with the lat. arc unchanged, I set off $22^{\circ} 55'$ N. on the decl. arc, and determine a meridian with the solar and note that a flag set

Instrument Tests and Observations.

T: 19 S., R: 14 E.

Chains

approximately 15 chains distance bears N. $0^{\circ} 07'$ E.

At 7h 24^m 01s, p.m., 1:m.t., I make an hour angle observation on Polaris, east of the meridian, two each with the telescope in direct and reversed position reading the horizontal deflection angle from the flag, east to Polaris.

Watch time of observation 7h 47m 30s

Mean horizontal angle, flag E. to Pol. $7^{\circ} 22''$

Azimuth of Polaris $0^{\circ} 14' 18''$ W.

True bearing of flag N. $0^{\circ} 6' 56''$ E.

July 5, 1923: At the same station at 8h a.m., app. t., with the lat. arc unchanged, I set off $22^{\circ} 52'$ N. on the decl. arc, and determine a meridian with the solar and note the flag bears N. $0^{\circ} 07'$ E.

Final test of Instrument.

After completion of the survey I make final test of the solar apparatus by comparing its indications resulting from solar observations made during a. m. and p. m. hours with the same Polaris meridian as determined for my preliminary tests.

Aug. 21, 1923, at 8h 30m a.m., app. t., I set off $39^{\circ} 15'$ N. on the lat. arc; $12^{\circ} 20'$ N. on the decl. arc, and determine a meridian with the solar and note that the flag bears N. $0^{\circ} 07'$ E.

At app. noon, with the lat. arc unchanged, I observe the sun on the meridian with the solar attachment; the resulting reading of the decl. arc is $12^{\circ} 17'$ N. which agrees with the computed decl. of the sun.

At 2h 30m, p.m., app. t., with the lat. arc unchanged, I set off $12^{\circ} 15'$ N. on the decl. arc, and determine a meridian with the solar and note the flag bears N. $0^{\circ} 07'$ E.

The instrument was frequently tested during the progress of the survey by comparing its indications with the

Instrument Tests and Observations.

T. 19 S., R. 14 E.

Chains

Polaris meridian, the results of which showed no error greater than 1' of arc.

Unless otherwise specified all measurements are made with a Lallie steel tape 5 chains in length compared with a standard steel tape and found correct. The measurements are made on the slope, the vertical angle determined, and the slope measurements properly reduced to true horizontal distances.

Resurvey of Portion of N. Bdy. of T. 19 S., R. 14 E. From the cor. of Ts. 18 and 19 S., Rs. 13 and 14 E., which is a sandstone, 16 x 8 x 8 ins., firmly set in the ground and marked with 6 notches on N., S., E. and W. edges, no accessories

East between secs. 6 and 31 on retracement line.

40.04 Fall 1.23½ chs. N. of the ¼ sec. cor., which is ¼ marked on face of sandstone outcropping. No accessories.

Continue on same line with continuous measurement.

81.40 Fall 1.69 chs. N. of the cor. of secs. 5, 6, 31 and 32, which is a trachyte, 10 x 8 x 8 ins., firmly set in the ground and marked 1 notch on the W. and 5 notches on the E. edge. No accessories.

The course of the W. half mile is therefore S. 88° 14' E., and the distance is 40.06 chs., and the course of the east half mile is S. 89° 22' E., and the distance is 41.36 chs.

From the cor. of secs. 5, 6, 31 and 32.

East bet. secs. 5 and 32, on retracement line.

41.05 Fall 45½ lks. N. of the ¼ sec. cor., which is a sandstone 14 x 10 x 8 ins., firmly set in an old mound of stone, and marked ¼ on N. face.

Continue on same line with continuous measurement.

81.83 Fall 169½ lks. N. of the cor. of secs. 4, 5, 32 and 33, which is a sandstone, 14 x 10 x 4 ins., lying loose in

Resurvey of Portion of N. Bdy., T. 19 S., R. 14 E.

Chains

an old mound of stone, marked 4 notches on E., and 2 notches on W. edge.

The course of the W. half mile is therefore S. 89° 22' E., and the dist. is 41.05 chs., and the course of the east half mile is S. 88° 15' E., and the dist. is 40.79 chs.

From the cor. of secs. 4, 5, 32 and 33, along side of which I set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground with brass cap marked for secs. 32 and 33, T. 18 S., R. 14 E. only

T18S	R14E
S 32	S 33
T19S R14E	
S 4	

1923

Raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor.; thence

N. 88° 15' W., along S. bdy. sec. 32 on resurvey line.

Ascend gradually over mountainous land, through scattering undergrowth of grease wood, yellow top, and a few scattering juniper.

- 5.70 Small gully, course NE.; abrupt ascent.
- 6.50 Point for closing cor. of secs. 4 and 5, T. 19 S., R. 14 E
- 13.00 Top of ascent, 110 ft. above sec. cor., slopes SE.; desc.
- 15.75 Recross gully, 15 ft. below top of asc., course SE.; asc.
- 24.50 Ridge, 95 ft. above gully, brs. N. and S.; desc.
- 36.30 Wash, 50 lks. wide, 15 ft. deep, in ravine 150 ft. below ridge, course N.; asc.
- 39.70 Road, brs. N. and S.
- 40.79 The old ¼ sec. cor. bet. secs. 5 and 32, along side of which
Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to solid rock, and 7 ins. in a mound of stone for ¼ sec. cor. for sec. 32 only, with brass cap marked

Resurvey of Portion of N. Bdy., T. 19 S., R. 14 E.

Chains

$\frac{1}{4}$ S 32
1923

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor. Cor. stands on small spur, 20 ft. above wash, projects N.
Thence with continuous measurement N. $89^{\circ} 22'$ W., along S. bdy. sec. 32 on resurvey line.
Descend .

- 41.40 Ravine, 5 ft. below spur, course NE.; ascend.
44.85 Spur, 55 ft. above ravine, projects NE.; descend.
46.52 Point mid-way between the closing cor. of secs. 4 and 5, and the closing cor. of secs. 5 and 6.
Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for $\frac{1}{4}$ sec. cor., sec. 5 only, with brass cap marked

$\frac{1}{4}$ S 5
1923

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high S. of cor.

- 48.50 Ravine, 15 ft. below spur, course NE.; ascend.
53.40 Spur, 35 ft. above ravine, projects NE.; descend.
64.70 Ravine, 50 ft. below spur, course NE.; ascend.
81.84 The cor. of secs. 5, 6, 31 and 32, along side of which
Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground for cor. of secs. 31 and 32 only, with brass cap marked

T18S | R14E
S 31 | S 32
T19SR14E
S 5
1923

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.
Land, mountainous. Drainage NE.
Soil, sandy and clay loam and rocky. 3rd rate.
Undergrowth, scattering greasewood and yellow top.
Timber, a few scattering scrub juniper.
Fair growth of bunch grass. Good grazing.

Resurvey of Portion of N. Bdy., T. 19 S., R. 14 E.

chains

From the cor. of secs. 31 and 32.

N. $89^{\circ} 22' W.$, along S. bdy. of sec. 31, on resurvey line. Ascend gradually over mountainous land, through a few scattering scrub juniper, and a medium undergrowth of sagebrush, yellow top and bunch grass.

2.50 Ridge, 30 ft. above sec. cor., brs. NE. and SW.; descend gradually over W. slope.

4.69 Point for closing cor. of secs. 5 and 6, T. 19 S., R. 14 E., subsequently established.

10.00 Sandstone rim, brs. NW. and SE.

14.75 Ravine, 100 ft. below ridge; course NW. from the SW.; ascend SE. slope.

22.16 From this point, NW. cor. of oil permit of Arthur D. Taylor, No. 027968, which is a juniper post, 4×4 ins., 4 ft. long, set in mound of stone, and marked NW COR on S. face and 027968 on N. face, brs. N. 20 lks. dist.

22.16 Spur, 75 ft. above ravine, projects N.; descend.

30.70 Ravine, 50 ft. below spur, course NE.; asc. SW. slope.

36.00 Top of ascent, 15 ft. above ravine, slopes NE.; descend.

41.16 It being impracticable to set an iron post at true $\frac{1}{4}$

sec. cor. point for sec. 31, at this point

Set an iron post, 3 ft. long, 1 in. diam., over a cross marked on sandstone outcropping, 27 ins. in a mound of stone for witness cor. to $\frac{1}{4}$ sec. cor., sec. 31 only, with brass cap marked

WC $\frac{1}{4}$ S 31
1923

41.36 The old $\frac{1}{4}$ sec. cor. This cor. will hereafter refer to sec. 31 only.

Owing to the steep slope of the sandstone outcropping at this point for $\frac{1}{4}$ sec. cor. the accessories were omitted, and it is impracticable to set an iron post. Thence continuing measurement.

N. $88^{\circ} 14' W.$, along S. bdy. of sec. 31.

41.56 Bottom of canyon, 10 ft. below top of ascent, course NE. from the NW.; thence along N. side of canyon.

Resurvey of Portion of N. Bdy., T. 19 S., R. 14 E.

Chains

44.69 A westing of 40.00 chs. from the closing cor. of secs. 5 and 6.

Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to solid rock, and 9 ins. in a mound of stone for $\frac{1}{4}$ sec. cor., sec. 6 only, with brass cap marked

$\frac{1}{4}$ S 6

1923

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high S. of cor.

47.00 Recross bottom of canyon, course NE.; thence along N. side of canyon.

51.30 Recross bottom of canyon, course SE.; thence along S. side of canyon.

55.23 Recross bottom of canyon, course NE.; ascend along N. side of canyon.

75.00 Top of ascent, 110 ft. above canyon, slopes S.; descend.

78.75 Recross canyon, 20 ft. below top of ascent, course SE.; ascend.

81.42 The cor. of Ts. 18 and 19 S., Rs. 13 and 14 E. I destroy the marks on this cor. pertaining to T. 19 S., Rs. 13 and 14 E., and along side of stone monument

Set an iron post, 3 ft. long, 3 ins. diam., 27 ins. in the ground for cor. of T. 18 S., Rs. 13 and 14 E., only, with brass cap marked

T 18 S	
R13E	R14E
S 36	S 31
T19SR14E	
S 6	

1923.

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.

Land, mountainous; drainage NE.

Soil, rocky, sandy and clay loam; 3rd rate.

Timber, a few scattering scrub juniper.

Undergrowth, medium growth of sagebrush, yellow top and bunch grass. Fair grazing.

Resurvey of W. Bdy., T. 19 S., R. 14 E.

chains

From the cor. of Ts. 19 and 20 S., Rs. 13 and 14 E., which is an iron post, 3 ft. long, 3 ins. diam., set in a mound of stone, and properly marked

North, bet. secs. 31 and 36 on resurvey line.

Descend over rough mountainous land, through a scattering growth of scrub juniper and pinon, and scattering undergrowth of shadscale, yellow top and bunch grass.

0.95 From this point, cor of oil permit of Charles H White, No. 026842, which is a post, 4 x 4 ins., 4 ft. long, set in mound of stone and marked 026842 C H White on E. face PIRM on S. face, and PIRMIT No. 1101 on W. face, brs. W. 5 lks. dist.

2.60 Saleratus wash, 40 ft. below Tp. cor., course SE.; asc.

6.50 Road, brs. NW. and SE.; Castle Dale, Ut. to Green River, Ut.

40.00 On sandstone outcropping, mark a cross over which Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S36 | S31
1923

Cor. stands on rocky spur, 250 ft. above wash, projects SW., descend over NW. slope.

40.73 Fall 5 lks. W. of old $\frac{1}{4}$ sec. cor., which is a sandstone, 14 x 8 x 6 ins., marked $\frac{1}{4}$ on W. face. I destroy cor.

43.40 Gulch, 40 ft. below spur, course SW.; asc. SW. slope.

66.90 Rocky spur, 215 above gulch, projects SW.; descend.

80.00 On NW. slope, 40 ft. below top of spur.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground for the cor. of secs. 25, 30, 31 and 36, with brass cap marked

T19S
R13E | R14E
S 25 | S 30
S 36 | S 31

1923

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Land, rough and mountainous.

Chains

Soil, rocky, sandy loam; 4th rate; sandstone and conglomerate formation.

Timber, a few scattering scrub juniper and pinon.

Undergrowth, scattering shadscale, yellow top and bunch grass. Fair grazing.

North, bet. secs. 25 and 30, on resurvey line.

Descend NW. slope, over mountainous land, through a few scattering scrub juniper and pinon, and scattering undergrowth of shadscale, yellow top and bunch grass.

1.53 Fall 24 lks. W. of the old cor. of secs. 25, 30, 31 and 36, which is a trachyte, 10 x 8 x 8 ins., marked 1 notch on S., and 5 notches on N. edge, and set in old mound of stone. I destroy this old cor.

11.00 Rocky gulch, 105 ft. below sec. cor., course SW.; ascend SE. slope.

21.60 Rocky spur, 185 ft. above gulch, projects SW.; descend over rough NW. slope.

30.90 Head of gulch, 75 ft. below spur, course W.; ascend S. slope.

37.10 Rocky spur, 80 ft. above gulch, projects S.80°W., desc. over N. slope over large boulders.

39.30 Head of gulch, 45 ft. below spur, course S.80°W., ascend S. slope.

40.00 On S. slope, 15 ft. above gulch.

Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to solid rock and 21 ins. in a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S25 | S30

---1923---

Deposit a sandstone, 12 x 10 x 4 ins., marked with a cross at base of post.

No evidence of the old $\frac{1}{4}$ sec. cor. found.

Resurvey of W. Bdy. of T. 19 S., R. 14 E.

Chains

- 41.50 Spur, 35 ft. above $\frac{1}{4}$ sec. cor., projects W.; desc.
 44.40 Head of ravine, 35 ft. below spur, course W.; ascend.
 57.40 Ridge, 230 ft. above ravine, brs. NW. and SE.; descend.
 59.80 Head of gulch, 35 ft. below ridge, course E.; ascend.
 67.30 Spur, 70 ft. above gulch, projects E.; desc. N. slope.
 71.00 Gulch, 50 ft. below spur, course E.; asc. S. slope.
 77.00 Rocky spur, 100 ft. above gulch, projects SE.; descend.
 80.00 At head of gulch, 30 ft. below spur, course SE.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in
 the ground for the cor. of secs. 19, 24, 25 and 30,
 with brass cap marked

T19S	
R13E	R14E
S24	S 19
S 25	S 30
1923	

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high W. of
 cor.

No evidence of the old sec. cor. was found.

Land, rough and mountainous.

Soil, rocky clay and sandy loam; 4th rate.

✓ Timber, a few scattering scrub juniper and pinon.

✓ Undergrowth, scattering shadscale, yellow top and bunch
 grass. Fair grazing.

 North bet. secs. 19 and 24, on resurvey line.

Ascend over mountainous land; through a few scattering
 juniper and pinon, and scattering undergrowth of
 shadscale, yellow top and bunch grass.

- 1.50 Spur, 5 ft. above sec. cor., projects S.80°E.; descend.
 10.40 Gulch, 120 ft. below spur, course E.; asc. S. slope.
 15.13 Spur, 40 ft. above gulch, projects NE.; descend gradually
 over NW. slope.
 40.00 On rocky NW. slope, 120 ft. below spur.
 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in
 the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

Resurvey of W. Bdy. of T. 19 S., R. 14 E.

Chains

$\frac{1}{4}$
 S24 | S19
 1923

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.

No evidence of the old $\frac{1}{4}$ sec. cor. was found.

43.50 Ravine, 40 ft. below $\frac{1}{4}$ sec. cor., course N.70°E.; asc. S. slope.

48.30 Spur, 15 ft. above ravine, projects E.; desc. N. slope.

55.00 Small draw, 15 ft. below spur, course E.; asc. S. slope.

68.30 Rocky ridge, 85 ft. above draw, brs. N.75°E., and S.75° W.; desc. N. slope over large boulders.

73.50 Gulch, 140 ft. below ridge, course NE.; asc. SE. slope.

76.60 Spur, 15 ft. above gulch, projects NE.; desc. N. slope.

79.00 As the true sec. cor. point will fall in large wash in bottom of canyon, at this point

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground for witness cor. to sec. cor. of secs. 13, 18, 19 and 24, with brass cap marked

WC
 T 19 S
 R13E | R14E
 S 13 | S 18
 S 24 | S 19
 1923

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.

80.00 True point for cor. of secs. 13, 18, 19 and 24, in large wash in bottom of canyon, 90 ft. below spur, course N.75°E. Impracticable to set cor.

No evidence of the old sec. cor. found.

Land, rough and mountainous.

Soil, rocky loam; 4th rate.

Timber, a few scattering juniper and pinon.

Undergrowth, scattering shadscale, yellow top and bunch grass. Fair grazing.

Resurvey of W. Bdy. of T. 19 S., R. 14 E.

Chains

North, bet. secs. 13 and 18 on resurvey line.

Ascend over mountainous land, through a few scattering scrub juniper and pinon, and scattering undergrowth of shadscale, yellow top and bunch grass.

- 5.20 Spur, 120 ft. above sec. cor., projects S.75°W.; desc.
- 10.10 Gulch, 55 ft. below spur, course N.75°W.; ascend.
- 13.80 Spur, 50 ft. above gulch, projects W.; descend. N. slope.
- 15.50 Gulch, 55 ft. below spur, course W.; asc. SE. slope.
- 22.80 Spur, 85 ft. above gulch, projects SW.; desc. NW. slope.
- 26.00 Gulch, 85 ft. below spur, course SW. from the NW.; asc.
- 35.40 Ridge, 75 ft. above gulch, brs. NE. and SW.; desc. NW. slope .
- 35.47 From this point, oil rig of the Utah Oil and Refinery Co., brs. N. 27° W.
- 40.00 At foot of desc. on W. slope of ridge, 45 ft. below top. Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked
- $\frac{1}{4}$
 S13 | S18
 1923
- Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
- No evidence of old $\frac{1}{4}$ sec. cor. found.
- Ascend S. slope of spur.
- 43.00 Spur, 40 ft. above $\frac{1}{4}$ sec. cor., projects W.; ascend gradually along W. slope of ridge.
- 63.86 From this point, oil rig of the Utah Oil and Refinery Co. brs. N.50° 42'W.
- 65.00 Ridge, 40 ft. above spur, brs. NW. and SE.; desc. along E. slope.
- 71.60 Saddle in ridge, 20 ft. below top, brs. NW. and S. 70°W.; ascend SE. slope.
- 79.80 Spur, 10 ft. above saddle of ridge, projects NE.; desc.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground to solid rock and 7 ins. in a mound of

Resurvey of W. Bdy. of T. 19 S., R. 14 E.

Chains

stone for the cor. of secs. 7, 12, 13 and 18, with
brass cap marked.

T 19 S	
R13E	R14E
S 12	S 7
S 13	S 18

1923

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high W. of
cor.

No evidence of the old sec. cor. found.

Land, mountainous.

Soil, rocky clay and sandy loam; 4th rate.

Timber, a few scattering scrub juniper and pinon.

Undergrowth, scattering shadscale, yellow top and bunch
grass. Fair grazing.

North bet. secs. 7 and 12, on resurvey line.

Descend over mountainous land, through a few scattering
scrub juniper and pinon, and scattering undergrowth
of shadscale, yellow top and bunch grass.

5.20 Gulch, 60 ft. below sec. cor., course E.; asc. S. slope.

7.00 Spur, 25 ft. above gulch, projects E.; desc. N. slope.

8.15 Gulch, 25 ft. below spur, course N.80°E.; asc. S. slope.

12.15 Spur, 25 ft. above gulch, projects NE.; desc. over ledges.

16.70 Ravine, 140 ft. below spur, course N.80°E.; asc. S. slope

21.00 Spur, 150 ft. above ravine, projects N.80°E.; desc.

gradually along E. slope of ridge.

29.00 Ridge, 5 ft. below spur, brs. NE. and SW.; desc. N. slope

40.00 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in
the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S12 | S 7
1923

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high W. of
cor.

No evidence of the old $\frac{1}{4}$ sec. cor. found.

Resurvey of W. Bdy. of T. 19. S., R. 14 E.

Chains

Cor. stands at foot of ridge, 200 ft. below top, brs.
NE. and SW.; thence over rolling and broken land.

42.00 Wash, 10 lks. wide, 3 ft. deep, course NE.

46.90 Recross wash, course NW.

59.60 Recross wash, course NE.

78.70 Road, brs. E. and W.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in
the ground for the cor. of secs. 1, 6, 7 and 12, with
brass cap marked.

T 19. S	
R13E	R14E
S 1	S 6
S12	S 7
1923	

Raise a mound of stone, 2 ft. base, 1½ ft. high W. of
cor.

No evidence of the old sec. cor. found.

Land, rolling and mountainous.

Soil, rocky clay and sandy loam; 3rd and 4th rate.

Timber, a few scattering scrub juniper and pinon.

Undergrowth, scattering shadscale, yellow top and bunch
grass. Fair grazing.

North bet. secs. 1 and 6, on resurvey line.

Over rolling valley land, through a scattering growth
of scrub juniper and pinon, and scattering undergrowth
of shadscale, yellow top and bunch grass.

2.70 Wash, 50 lks. wide, 10 ft. deep, course SE.

6.70 Wash, 20 lks. wide, 4 ft. deep, course E.

20.00 Enter mountainous land, leaving valley, brs. E. and W.;
ascend S. slope.

22.50 Spur, 85 ft. above foot, projects SE.; desc. N. slope

24.50 Gulch, 25 ft. below spur, course SE.; asc. over gypsum
ledges.

27.20 Ridge, 135 ft. above gulch, brs. NE. and SW.; desc. over
sandstone ledges and boulders.

Chains

40.00

On N. slope, 70 ft. below top of ridge.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked.

 $\frac{1}{4}$
S 1 | S. 6
1923

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.

No evidence of the old $\frac{1}{4}$ sec. cor. found.

Abrupt descent over N. slope.

44.50

Ravine, 160 ft. below $\frac{1}{4}$ sec. cor., course NE.; asc.

50.65

Rocky point, 130 ft. above ravine, slopes E.; continue ascent.

55.40

Spur, 170 ft. above ravine, projects N. 80° E.; desc.

59.40

Ravine, 90 ft. below spur, course NE.; asc. S. slope.

64.80

Spur, 100 ft. above ravine, projects E.; desc. N. slope.

67.51

As the true position of the closing cor. of T. 19 S., Rs. 13 and 14 E. is in water course in ravine, at this point.

Set an iron post, 3 ft. long, 3 ins. diam., 27 ins. in the ground for witness cor. to the closing cor. of T. 19 S., Rs. 13 and 14 E., with brass cap marked

WC
T18S R13E
S 36
S 1 | S 6
R13E | R14E
T19S
CC
1923

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high S. of cor.

68.51

Intersect S. bdy. of T. 18 S., R. 13 E., W. 3.40 chs. dist. from the cor. of T. 18 S., Rs. 13 and 14 E., heretofore described.

Point falls in water course in bottom of ravine, 80 ft. below spur, course E. Impracticable to set cor.

monument at this point.

Subdivision of T. 19 S., R. 14 E.

Chains

Land, rolling and mountainous.

Soil, rocky clay and sandy loam; 3rd and 4th rate.

Timber, a few scattering juniper and pinon.

Undergrowth, scattering shadscale, yellow top and bunch grass. Fair grazing.

Subdivision of T. 19 S., R. 14 E.

From the cor. of secs. 4, 5, 32 and 33, on S. bdy. of Tp. 19 S., R. 14 E., which is an iron post, 3 ins. diam., extending 12 ins. above the ground, properly marked and witnessed by a mound of stone to the W; thence N. 0° 03' W., bet. secs. 32 and 33.

Descend over rolling mountainous land, through a very scattering growth of scrub juniper, and scattering undergrowth of shadscale and bunch grass.

8.00 Ravine, 30 ft. below sec. cor., course SE.; asc.

13.70 Ridge, 45 ft. above ravine, brs. NW. and SE.; desc.

26.50 Draw, 30 ft. below ridge, course E.; asc. S. slope.

38.50 Spur, 70 ft. above draw, projects SE.; desc. NE. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$
 |
 S32 | S33
 1923

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.

47.25 Ravine, 100 ft. below spur, course SE.; asc. S. slope.

50.00 Spur, 25 ft. above ravine, projects E.; desc. N. slope.

52.25 Ravine, 25 ft. below spur, course SE.; asc. SW. slope.

63.40 Spur, 45 ft. above ravine, projects SE.; desc. NE. slope.

67.00 Ravine, 40 ft. below spur, course NE.; thence over level bottom.

69.00 Ravine, course SE. from the NW.; ascend SW. slope.

71.00 Spur, 30 ft. above ravine, projects SE.; desc. NE. slope

76.00 Ravine, 35 ft. below spur, course SE.; asc. SW. slope.

Subdivision of T. 19 S., R. 14 E.

Chains

- 78.00 Spur, 25 ft. above ravine, projects SE.; desc. NE. slope
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in
the ground for the cor. of secs. 28, 29, 32 and 33,
with brass cap marked

T19S	R14E
S 29	S 28
S 32	S 33

1923

- Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
Land, rolling mountains.; eastern exposure.
Soil, rocky clay and sandy loam; 3rd and 4th rate.
Timber, a few scattering scrub juniper.
Undergrowth, scattering shadscale and bunch grass.
Fair grazing.

N. 0° 03' W., bet. secs. 28 and 29.

Descend gradually along NE. slope over rolling mountain-
ous land, through very scattering scrub juniper, and
scattering undergrowth of shadscale, greasewood and
bunch grass.

- 27.60 Large wash in draw, 30 ft. below sec. cor., course S. 30°
E.; asc. gradually along SW. slope.

- 40.00 On SW. slope, 30 ft. above wash.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in
the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S 29 | S 28

1923

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.

- 74.50 Top of rolling ridge, 100 ft. above draw, brs. S. 40° E.
and N. 40° W.; desc. gradually along E. slope.

- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., on sandstone
outcropping, 27 ins. in a mound of stone for the cor.
of secs. 20, 21, 28 and 29, with brass cap marked.

T19S	R14E
S 20	S 21
S 29	S 28

1923

Subdivision of T. 19 S., R. 14 E.

Chains

Mark a cross on sandstone outcropping at point for cor,
at base of post.

Land rolling mountains; eastern exposure.

Soil, shallow rocky clay and sandy loam; 4th rate.

Timber, a few scrub juniper.

Undergrowth, scattering shadscale, greasewood and bunch
grass. Fair grazing.

N.0° 03'W., bet. secs. 20 and 21.

Descend gradually over rolling mountainous land, through
scattering growth of scrub juniper and scattering
undergrowth of shadscale and bunch grass.

4.30 Draw, 15 ft. below sec. cor., course SE.; asc. gradually.

27.50 Spur, 50 ft. above draw, projects SE.; desc.

32.50 Draw, 30 ft. below spur, course S.80°E.; ascend.

37.00 Ridge, 80 ft. above draw, brs. NW. and SE.; desc.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in
the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S20 | S21
1923

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.

51.20 Wash, 10 lks. wide, 4 ft. deep, 110 ft. below ridge,
course E.; ascend.

52.80 Spur, 60 ft. above wash, projects E.; desc.

56.50 Draw, 30 ft. below spur, course E.; ascend.

61.00 Top of ascent, 25 ft. above draw, brs. E. and W.; thence
over rolling land sloping to the east.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in
the ground for the cor. of secs. 16, 17, 20 and 21,
with brass cap marked

T19S R14E
S 17 | S 16
S 20 | S 21
1923

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.

Chains

Land, rolling mountains; eastern exposure.
Soil, shallow rocky clay and sandy loam; 4th rate.
Timber, a few scattering scrub juniper.
Undergrowth, scattering shadscale and bunch grass.
Fair grazing.

N.0° 03'W. bet. secs. 16 and 17.

Over rolling mountainous land sloping to the E., through
scattering undergrowth of white sage and bunch grass.

- 6.00 Descend into draw, brs. E. and W.
12.70 Draw, 15 ft. deep, course E.; ascend.
16.20 Spur, 25 ft. above draw, projects E.; desc.
17.50 Draw, 15 ft. below spur, course E.; asc.
20.40 Top of ascent, 15 ft. above draw, brs. E. and W.; thence
over rolling land sloping E.
21.75 Wash, 10 lks. wide, 4 ft. deep, course E.
38.40 Descend into draw, brs. E. and W.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in
the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S17 | S16
1923

- Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
40.50 Draw, 10 ft. deep, course SE.; ascend.
42.00 Rim of draw, brs. E. and W.; thence over rolling land.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in
the ground for the cor. of secs. 8, 9, 16 and 17,
with brass cap marked

T19S | R14E
S 8 | S 9
S 17 | S 16
1923

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
Land, rolling and mountainous; eastern exposure.
Soil, sandy and clay loam and shale; 3rd rate.
Undergrowth, scattering white sage and bunch grass.
No timber; Fair grazing.

.Subdivision of T. 19 S., R. 14 E.

CHAINS

N.0° 03'W., bet. secs. 8 and 9.

Over rolling mountainous land, sloping E., through undergrowth of white sage, shadscale and bunch grass.

7.00 Descend into draw, brs. E. and W.

9.00 Draw, 55 ft. deep, course E.; ascend.

12.60 Spur, 30 ft. above draw, projects E.; descend.

19.30 Draw, 35 ft. below spur, course E.; thence over rolling land.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S8 | S9
1923

Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high W. of cor.

60.00 Set an iron post, 3 ft. long, 2 in. diam., 27 ins. in the ground for the cor. of secs. 4, 5, 8 and 9, with brass cap marked

T19S | R14E
S 8 | S 9
S 8 | S 9
1923

Raise a mound of stone, 2 ft. base, 1 ft. high W. of cor.

From this cor., a post, 2 x 4 ins., 3 ft. long, set in a mound of stone and marked COR 3 on S. face, and 051179 on E. face, bears S. 74° 30'E., 4.09 chs. dist.

Land, rolling with gradual slope to E.

Soil, sandy and clay loam; shale formation; 3rd rate.

Undergrowth, white sage, shadscale and bunch grass.

No timber. Fair grazing.

N.0° 03'W., bet. secs. 4 and 5.

Over rolling land with gradual slope to the E.; through undergrowth of white sage, yellow top and bunch grass.

18.90 From this point, a post, 2 x 4 ins., 3 ft. long, set in the ground and marked COR 3 on W. face and 051179 on E. face, bears E. 4.06 chs. dist.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

Chains

$\frac{1}{4}$
S5/S4
1923

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
65.50 As the true point for closing cor. of secs. 4 and 5 is
in water course of small gully, at this point
Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in
the ground for witness cor. to closing cor. of secs.
4 and 5, with brass cap marked

WC
T18SR14E
S32
S5/S4
T19SR14E
CC
1923

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high S. of cor.
66.00 Intersect N. bdy. of Tp., N. $88^{\circ}58'$ W., 6.50 chs. dist.
from cor. of secs. 32 and 33, T. 18 S., R. 14 E., hereto-
fore described. Point of intersection is in water
course of small gully draining N. 60° E. Impracticable
to set cor.

Land, rolling; eastern exposure.

Soil, sandy and clay loam; 3rd rate.

Undergrowth, white sage, yellow top and bunch grass.

No timber. Fair grazing.

From the cor. of secs. 5, 6, 31 and 32 on S. bdy. of Tp.
which is an iron post, 3 ft. long, 3 ins. diam., firmly
set in a mound of stone and properly marked
N. $0^{\circ}03'$ W., bet. secs. 31 and 32.

Over rolling mountainous land, with gradual slope to E.,
through scattering scrub juniper and pinon, and
scattering bitter brush and bunch grass.

40.00 In small gully, course S. 60° E.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in
the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S31/S32
1923

Subdivision of T. 19 S., R. 14 E.

Chains

From which

A juniper, 12 ins. diam., brs. S. 40° E.; 8 lks.
dist., marked $\frac{1}{4}$ S 32 B T.

A juniper, 10 ins. diam., brs. S. 60° W.; 13 lks.
dist., marked $\frac{1}{4}$ S 31 B T.

41.50 Rim of gulch, brs. NW. and SE.; desc.

43.50 Gulch, 55 ft. deep, course E.; ascend.

45.70 Rocky point, 55 ft. above gulch, slopes E.; desc.

47.50 Gulch, 30 ft. below point, course SE.; ascend.

48.30 Rim of gulch, 30 ft. above bottom brs. NW. and SE.;
thence over rolling land.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., on sandstone
outcropping, 27 ins. in a mound of stone, for the cor.
of secs. 29, 30, 31 and 32, with brass cap marked

T19S R14E

S30 S 29

S 31 S 32

1923

Mark a cross on sandstone outcropping at cor. point and
at base of post.

Land rolling and mountainous with gradual slope to E.

Soil, shallow sandy and rocky loam; 4th rate.

Timber, scattering scrub juniper and pinon.

Undergrowth, scattering bitter brush and bunch grass.

Fair grazing.

S. 89° 49' E., on a random line bet. secs. 29 and 32.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.32 Intersect the cor. of secs. 28, 29, 32 and 33; thence
N. 89° 49' W., on true line bet. secs. 29 and 32.

Ascend over rolling mountainous land, through scattering
scrub juniper and pinon, and scattering undergrowth of
shadscale, yellow top and bunch grass.

2.00 Spur, 20 ft. above sec. cor., projects SE.; desc.

3.60 Draw, 15 ft. below spur, course SE.; ascend.

8.50 Spur, 50 ft. above draw, projects SE.; desc.

Subdivision of T. 19 S., R. 14 E.

Chains

- 10.80 Draw, 30 ft. below spur, course SE.; ascend.
 16.00 Spur, 50 ft. above draw, projects SE.; descend.
 17.50 Ravine, 30 ft. below spur, course SE.; asc. over E. slope
 38.50 Top of ascent, 50 ft. above ravine, brs. N. and S.; desc.
 40.00 Ravine, 15 ft. below top of ascent, course NE.; ascend
 gradually over S. slope.

- 40.16 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in
 the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$ S 29
 S 32

1923

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.

- 78.30 Draw, 240 ft. above $\frac{1}{4}$ sec. cor., course S. 70° E.; asc.

- 80.32 The cor. of secs. 29, 30, 31 and 32.

Land, rolling mountains; eastern exposure.

Soil, sandy and clay loam and rocks; 4th rate.

Timber, a few scattering scrub juniper and pinon.

Undergrowth, scattering shadscale, yellow top and bunch
 grass. Fair grazing.

 N. 89° $49'$ W., on a random line bet. secs. 30 and 31.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.

- 80.56 Intersect W. bdy. of Tp. 7 lks. N. of the cor. of secs.

25, 30, 31 and 36 heretofore described. Thence

S. 89° $52'$ E., on a true line bet. secs. 30 and 31.

Ascend over mountainous land, through scattering scrub
 juniper and pinon, and scattering undergrowth of bitter
 brush, yellow top and bunch grass.

- 14.00 Spur, 125 ft. above sec. cor., projects S.; desc.

- 17.00 Gulch, 45 ft. below spur, course S.; ascend.

- 19.00 Ridge, 45 ft. above gulch, brs. N. and S.; descend over
 gradual E. slope.

- 40.56 Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in
 the ground to solid rock and 9 ins. in a mound of
 stone for $\frac{1}{4}$ sec. cor., with brass cap marked

S 30.
 $\frac{1}{4}$ S 31
 1923

From which.

A juniper, 6 ins. diam., brs. N.86° 30'E., 48

lks. dist., marked $\frac{1}{4}$ S 30 B T.

A juniper. 6 ins. diam., brs. S. 29° W., 59 lks

dist., marked $\frac{1}{4}$ S 31 B T.

Cor. stands on gradual E. slope, 30 ft. below ridge.

80.56 The cor. of secs. 29, 30, 31 and 32.

Cor. stands on gradual E. slope, 200 ft. below $\frac{1}{4}$ sec. cor

Land, rolling and mountainous; eastern exposure.

Soil, rocky and sandy loam; 3rd rate.

Timber, scattering scrub juniper and pinon.

Undergrowth, scattering bitter brush, yellow top and
 bunch grass. Fair grazing.

 N.0° 03' W., bet. secs. 29 and 30.

Descend over rolling mountainous land, through a few
 scattering scrub juniper and pinon, and scattering
 undergrowth of bitter brush, yellow top and bunch
 grass.

.80 Rocky gulch, 25 ft. below sec. cor., course S.80°E.;
 ascend.

11.20 Spur, 20 ft. above gulch, projects E.; desc.

23.40 Gulch, 35 ft. below spur, course E.; ascend.

29.00 Rim of gulch, 30 ft. above bottom, brs. E. and W.; thence
 over rolling land sloping to the E.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in
 the ground to solid rock and 20 ins. in a mound of
 stone, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
 S30 | S29
 1923

Deposit a sandstone, 8 x 7 x 7 ins., marked with a cross
 at base of post.

Subdivision of T. 19 S., R. 14 E.

Chains							
49.90	Small draw, course E.						
53.80	Draw, course E.; ascend gradually over S. slope.						
74.10	Spur, 20 ft. above draw, projects E.; desc. N. slope.						
76.10	Gulch, 20 ft. below spur, course S.80°E.; asc. S. slope.						
78.00	Low rocky ridge, 35 ft. above gulch, brs. S.80°E., and N.80°W.; descend N. slope						
80.00	On N. slope, 40 ft. below top of ridge.						
	Set an iron post, 3 ft. long, 2 ins. diam., on solid sandstone outcropping, 27 ins. in a mound of stone for the cor. of secs. 19, 20, 29 and 30, with brass cap marked						
	<table> <tr> <td>T19S</td><td>R14E</td></tr> <tr> <td>S 19</td><td>S 20</td></tr> <tr> <td>S 30</td><td>S 29</td></tr> </table>	T19S	R14E	S 19	S 20	S 30	S 29
T19S	R14E						
S 19	S 20						
S 30	S 29						
	1923						
	Mark a large cross on sandstone outcropping at cor. point and at base of post.						
	Land, rolling and mountainous; eastern exposure.						
	Soil, shallow sandy and rocky loam; 3rd and 4th rate.						
	Timber, a few scattering scrub juniper and pinon.						
	Undergrowth, scattering bitter brush, yellow top and bunch grass. Fair grazing.						

	S. 89° 49'E., on a random line bet. secs. 20 and 29.						
40.00	Set temp. $\frac{1}{4}$ sec. cor.						
80.40	Intersect N. and S. line, 3 lks. S. of the cor. of secs. 20, 21, 28 and 29; thence						
	N. 89° 50'W., on a true line bet. secs. 20 and 29.						
	Ascend gradually over rolling mountainous land, through scattering scrub juniper, and scattering undergrowth of shadscale, greasewood and bunch grass.						
2.00	Ridge, 20 ft. above sec. cor., brs. N.30°W. and S.30°E.; descend.						
10.20	Large wash, in ravine, 50 ft. below ridge, course S.20°E. ascend.						
28.00	Rim of ravine, 50 ft. above wash, brs. NW. and SE.; asc. gradually over E. slope.						

Subdivision of T. 19 S., R. 14 E.

mins
40.20

On gradual E. slope, 30 ft. above rim of ravine.
Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to solid rock and 9 ins. in a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap marked

$$\frac{1}{4} \frac{S}{S} \frac{20}{29}$$

1923

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.
From this cor., cor. No. 8 of oil permit of Egbert N. Wood, No. 027201, which is a sandstone, 14 x 14 x 14 ins., marked COR No 8 027201, brs. N. 24 lks. dist.

80.40 The cor. of secs. 19, 20, 29 and 30, 230 ft. above $\frac{1}{4}$ sec. cor.

Land, rolling mountains; eastern exposure.

Soil, rocky, clay and sandy loam; 3rd and 4th rate.

Timber, a few scattering scrub juniper.

Undergrowth, scattering shadscale, greasewood and bunch grass. Fair grazing.

N.89° 52' W., on a random line bet. secs. 19 and 30.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.50 Intersect W. bdy. of Tp., 3 lks. S. of the cor. of secs. 19, 24, 25, and 30 heretofore described; thence S. 89° 51' E., on a true line bet. secs. 19 and 30.

Ascend over mountainous land, through scattering scrub juniper and pinon, and scattering undergrowth of bitter brush, yellow top and bunch grass.

5.00 Spur, 30 ft. above sec. cor., projects SE.; descend.

8.15 Head of gulch, 50 ft. below spur, course SE.; ascend.

9.00 Spur, 30 ft. above gulch, projects S.80°E., descend.

38.30 Ravine, 240 ft. below spur, course S.80°E.; ascend.

39.00 Spur, 20 ft. above ravine, projects SE.; descend.

40.50 Point for $\frac{1}{4}$ sec. cor. falls on conglomerate boulder.
Impracticable to set cor. at this point.

40.60 Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to solid rock and 9 ins. in a mound of

Subdivision of T. 19 S., R. 14 E.

Chains

stone for witness cor. to $\frac{1}{4}$ sec. cor., with brass cap marked

WC $\frac{1}{4}$ S 19
S 30

1923

From which

A juniper, 8 ins. diam., brs. N. 57° E., 52 lks.

dist., marked W C $\frac{1}{4}$ S 19 B T.

A juniper, 12 ins. diam., brs. S. 10° W., 25 lks.

dist., marked W C $\frac{1}{4}$ S 30 B T.

42.00 Recross ravine, 90 ft. below spur, course N. 80° E.; thence along S. side of ravine.

47.15 Recross ravine, course S. 80° E., ascend.

53.50 Spur, 25 ft. above ravine, projects SE.; asc. SW. slope.

71.00 Gulch, 150 ft. below spur, course SE.; asc. SW. slope.

74.75 Ridge, 15 ft. above gulch, brs. NW. and SE.; descend.

80.50 The cor. of secs. 19, 20, 29 and 30, 90 ft. below ridge.

Land, rolling and mountainous; SE. exposure.

Soil, rocky and sandy loam; 3rd and 4th rate.

Timber, scattering scrub juniper and pinon.

Undergrowth, scattering bitter brush, yellow top and bunch grass. Fair grazing.

N. 0° 03' W., bet. secs. 19 and 20.

Over rolling mountainous land, sloping E., through scattering scrub juniper and pinon, and scattering undergrowth of shadscale, bitter brush, yellow top and bunch grass.

9.20 Rim of ravine, brs. E. and W.; descend.

11.00 Ravine, 70 ft. deep, course E.; ascend.

13.40 Rim of ravine, brs. E. and W.; thence over rolling land.

22.60 Rim of gulch, brs. NW. and SE.; descend.

27.50 Gulch, 15 ft. deep, course E.; thence over level land.

30.00 Gulch, course SE.; ascend.

32.90 Rim of gulch, 20 ft. above bottom, brs. NW. and SE.; descend gradually over rolling land.

Subdivision of T. 19 S., R. 14 E.

Chains

40.00 .Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in
a mound of stone on solid sandstone outcropping, for
 $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S19 | S20
1923

.Mark a cross on outcropping at base of post.

From which

. A juniper, 10 ins. diam., brs. S. 6° E., 92 lks.
dist., marked $\frac{1}{4}$ S 20 B.T..

. A juniper, 10 ins. diam., brs. S. 36° W., 126 lks.
dist., marked $\frac{1}{4}$ S 19 B T.

50.70 Draw, 25 ft. below rim of gulch, course E.; ascend
gradually.

58.00 Rim of ravine, brs. E. and W.; descend.

59.50 Ravine, 50 ft. deep, course E.; ascend.

71.00 Rim of ravine, 80 ft. above bottom, brs. E. and NW.;
thence over land sloping E.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in
a mound of stone on solid sandstone outcropping, for
the cor. of secs. 17, 18, 19 and 20, with brass cap
marked

T19S R14E
S 18 | S 17
S 19 | S 20
1923

. Mark a cross on the sandstone outcropping at cor. point
and at base of post.

Land, rolling mountainous; eastern exposure.

Soil, shallow rocky, clay and sandy loam; 4th rate.

Timber, scattering scrub juniper and pinon.

. Undergrowth, scattering shadscale, bitter brush, yellow
top and bunch grass. Fair grazing.

S. 89° 50' E., on a random line bet. secs. 17 and 20.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

Subdivision of T. 19 S., R. 14 E.

Chains	
80.36	Intersect N. and S. line, 12 lks. N. of the cor. of secs. 16, 17, 20 and 21; thence N. $89^{\circ} 45'$ W., on a true line bet. secs. 17 and 20. Ascend gradually over E. slope, through scattering undergrowth of shadscale, bitter brush, yellow top and bunch grass.
16.60	Ridge, 105 ft. above sec. cor., brs. NW. and SE.; desc. W. slope.
36.90	Large wash in ravine, 125 ft. below ridge, course S.; ascend E. slope
40.18	Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to solid rock and 9 ins. in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\begin{array}{r} S\ 17 \\ \frac{1}{4} \\ \hline S\ 20. \end{array}$
	1923
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.
52.60	Spur, 100 ft. above ravine, projects SE.; desc.
56.50	Draw, 30 ft. below spur, course SE.; ascend.
67.60	Spur, 85 ft. above draw, projects SE.; desc.
69.60	Draw, 20 ft. below spur, course SE.; asc. gradual E. slope.
80.36	The cor. of secs. 17, 18, 19 and 20, on gradual E. slope 140 ft. above draw. Land, mountainous. S. and E. exposure. Soil, rocky, sandy and clay loam; 3rd and 4th rate. Timber, a few scattering scrub juniper on W. half mile. Undergrowth, scattering shadscale, bitter brush, yellow top and bunch grass. Fair grazing.

	N. $89^{\circ} 51'$ W., on a random line bet. secs. 18 and 19.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.35	Intersect the W. bdy. of Tp.; at point for cor. of secs. 18, 19 and 24; thence S. $89^{\circ} 51'$ E., on a true line bet. secs. 18 and 19.

Subdivision of T. 19 S., R. 14 E.

Chains

Over mountainous land, along large wash, through scattering scrub juniper, and scattering undergrowth of sagebrush, bitter brush and bunch grass.

1.00 Leave wash, course NE.; ascend.

7.00 Top of ascent, 10 ft. above wash, slopes N.; desc.

10.50 Bottom of ravine, 30 ft. below top of ascent, drains NE. from the NW.; ascend.

17.00 Rocky point, 40 ft. above ravine, slopes N.; descend.

28.00 Foot of desc. on N. slope, 80 ft. below point; ascend.

36.70 Rocky point, 20 ft. above foot of desc.; slopes N.; desc.

39.35 As the true point for $\frac{1}{4}$ sec. cor. falls in water course in bottom of ravine, at this point

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for witness cor. to $\frac{1}{4}$ sec. cor., with brass cap marked

$$\begin{array}{r} \frac{1}{4} \text{ S. } 18 \\ \hline \text{S } 19 \end{array} \text{ WC}$$

Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high N. of cor.

40.35 True point for $\frac{1}{4}$ sec. cor. falls in water course in bottom of ravine, 35 ft. below rocky point, course SE. Cor. not set.

Ascend W. slope.

42.00 Rocky point, 50 ft. above ravine, slopes S.; desc.

47.00 Ravine, 90 ft. below rocky point, drains from the SW. to the SE.; ascend W. slope.

54.75 Rocky point, 120 ft. above ravine, slopes S.; desc.

58.00 Foot of desc. on S. slope, 40 ft. below rocky point; asc.

62.65 Ridge, 80 ft. above foot of descent, brs. NW. and SE.; descend over gradual E. slope.

80.35 The cor. of secs. 17, 18, 19 and 20, 170 ft. below ridge land, mountainous.

Soil, rocky, clay and sandy loam; 4th rate.

Timber, a few scattering scrub juniper.

Undergrowth, scattering sagebrush, bitter brush and bunch grass. Fair grazing.

Subdivision of T. 19 S., R. 14 E.

Chains

continued

N. 0° 03' W., bet. secs. 17 and 18.

Ascend gradually over rolling mountainous land, through scattering scrub juniper, and scattering undergrowth of bitter brush, brigham tea and bunch grass.

- 8.00 Spur, 50 ft. above sec. cor., projects E.; desc.
- 13.00 Head of ravine, 25 ft. below spur, course E.; ascend.
- 18.00 Rocky spur, 15 ft. above ravine, projects E.; desc.
- 23.10 Ravine, 10 ft. below spur, course E.; ascend.
- 27.40 Spur, 40 ft. above ravine, projects E.; desc.
- 36.00 Gulch, 60 ft. below spur, course E.; ascend.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in a mound of stone on sandstone outcropping, for $\frac{1}{4}$ sec. cor. with brass cap marked

$\frac{1}{4}$
 S18 | S17
 1923

Mark a cross on sandstone outcropping at base of post.

Cor. stands on top of ascent, 15 ft. above gulch, slopes E.; descend.

- 42.00 Gulch, 15 ft. below $\frac{1}{4}$ sec. cor., course E.; ascend.
- 54.75 Rocky spur, 75 ft. above gulch, projects E.; desc.
- 62.50 Ravine, 90 ft. below spur, course NE.; ascend.
- 75.70 Spur, 100 ft. above ravine, projects E.; descend.
- 76.00 Gulch, 25 ft. below spur, course E.; ascend.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in a mound of stone on solid sandstone outcropping, for the cor. of secs. 7, 8, 17 and 18, with brass cap marked

T19S | R14E
 S 7 | S 8
 S 18 | S 17
 1923.

Mark a cross at cor. point at base of post, on the sandstone outcropping.

From the cor.

A juniper, 10 ins. diam., brs. N. 24° W., 126 lbs. dist., marked T19SR14ES7BT.

Subdivision of T. 19 S., R. 14 E.

Chains

No other bearing trees available.

Land, rolling mountains; eastern exposure.

Soil, rocky, sandy and clay loam; 3rd and 4th rate.

Timber, scattering scrub juniper.

Undergrowth, scattering bitter brush, brigham tea and bunch grass. Fair grazing.

S.89° 45'E., on a random line bet. secs. 8 and 17.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.30 Intersect N. and S. line, 14 lks. S. of the cor. of
secs. 8, 9, 16 and 17; thence

N.89° 51'W., on true line bet. secs. 8 and 17.

Ascend gradual E. slope over mountainous land, through
medium growth of bitter brush, yellow top and grass.

8.50 Ridge, 50 ft. above sec. cor., brs. N. and S.; desc.

15.30 Draw, 40 ft. below ridge, course S.; ascend.

18.00 Hogsback, 40 ft. above draw, brs. N. and S.; descend.

27.45 Large wash in ravine, 70 ft. below hogsback, course S.;
ascend.

37.00 Spur, 75 ft. above ravine, projects SE.; descend.

40.15 True point for $\frac{1}{4}$ sec. cor., which fall on steep and broken
slope. Impracticable to set cor. post at this point.

40.22 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in
the ground for witness cor. to $\frac{1}{4}$ sec. cor., with brass
cap marked

$$\begin{array}{r} \frac{1}{4} \text{ S } 8 \\ \text{S } 17 \text{ WC} \\ 1923 \end{array}$$

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.

43.20 Draw, 50 ft. below spur, course SE.; ascend gradually.

80.30 The cor. of secs. 7, 8, 17 and 18, 270 ft. above draw.

Land, mountainous.

Soil, rocky, sandy and clay loam; 4th rate.

Timber, a few scattering scrub juniper on W. 30 chs.

Undergrowth, medium growth of bitter brush, yellow top
and bunch grass. Fair grazing.

N.89° 51'W., on a random line bet. secs. 7 and 18.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

Subdivision of T. 19 S., R. 14 E.

Chains	
80.26	Intersect W. bdy. of Tp., 7 lks. N. of the cor. of secs. 7, 12, 13 and 18, heretofore described; thence S. 89° 54'E., on a true line bet. secs. 7 and 18. Ascend over mountainous land, through scattering scrub juniper and scattering undergrowth of sagebrush, bitter brush, yellow top and bunch grass.
0.50	Spur, 5 ft. above sec. cor., projects NE.; descend over rough NW. slope.
40.26	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in a mound of stone on sandstone outcropping for $\frac{1}{4}$ sec. cor. with brass cap marked
	$\begin{array}{r} \frac{1}{4} \text{ S } 7 \\ \hline \text{S } 18 \end{array}$
	1923
	Mark a cross at cor. point at base of post on sandstone outcropping.
55.75	Low divide, 175 ft. below spur, brs. NE. and SW.; asc.
61.00	Ridge, 15 ft. above divide, brs. N. and S.; desc. over gradual E. slope.
78.25	Gulch, 160 ft. below ridge, course SE.; ascend.
80.26	The cor. of secs. 7, 8, 17 and 18.
	Land, mountainous.
	Soil, rocky, sandy and clay loam; 4th rate.
	Timber, scattering scrub juniper.
	Undergrowth, scattering sagebrush, bitter brush, yellow top and bunch grass. Fair grazing.

	N.0° 03'W., bet. secs. 7 and 8.
	Ascend over rolling mountainous land, through scattering scrub juniper and scattering sagebrush, bitter brush, yellow top and bunch grass undergrowth.
11.80	Top of ascent, 20 ft. above sec. cor., brs. E. and W.; thence over rolling land sloping E.-----
24.80	Rim of ravine, brs. E. and W.; descend.
32.40	Ravine, 150 ft. deep, course E.; ascend.

.Subdivision of T. 19 S., R. 14 E.,

Chains

38.00 Rim of ravine, brs. E. and W.; thence over rolling land sloping E..

40.00 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in a mound of stone, on sandstone outcropping, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
 S7 | S8
 1923

Mark a cross at cor. point, at base of post on the sandstone outcropping.

50.00 Rim of ravine, brs. E. and W.; descend.

60.80 Ravine, 70 ft. deep, course NE.; ascend.

64.00 Rim of ravine, brs. E. and W.; thence over rolling land sloping to the E.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in a mound of stone on sandstone outcropping, for the cor. of secs. 5, 6, 7 and 8, with brass cap marked

T19S | R14E
 S 6 | S 5
 S 7 | S 8
 1923

Mark a cross at cor. point at base of post on the sandstone outcropping.

Land, rolling mountains; eastern exposure.

Soil, shallow rocky, sandy and clay loam; 4th rate.

Timber, scattering scrub juniper.

Undergrowth, scattering sagebrush, bitter brush, yellow top and bunch grass. Fair grazing.

 S. 89° 51' E., on a random line bet. secs. 5 and 8.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.26 Intersect N. and S. line 5 lks. N. of the cor. of secs. 4, 5, 8 and 9; thence

N. 89° 49' W., on a true line bet. secs. 5 and 8.

Ascend over rolling E. slope, over mountainous land, through scattering undergrowth of sagebrush, bitter

..Subdivision of T. 19 S., R. 14 E.

Chains

brush, yellow top and bunch grass.

13.50 Ridge, 100 ft. above sec. cor., brs. N. and S.; descend.

24.00 Large wash in ravine, 130 ft. below ridge, course N.;
ascend; enter a few scattering scrub juniper.

40.13 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in
the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$ S 5
S 8

1923

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.

46.25 Spur, 100 ft. above ravine, projects SE.; descend.

48.15 Ravine, 25 ft. below spur, course SE.; ascend.

50.50 Top of ascent, 25 ft. above ravine, slopes N.; descend.

55.00 Ravine, 15 ft. below top of ascent, course NE.; ascend.
over rolling E. slope.

80.26 The cor. of secs. 5, 6, 7 and 8, on rolling E. slope,
150 ft. above ravine.

Land, rolling mountains; eastern exposure.

Soil, rocky, sandy and clay loam; 3rd and 4th rate.

Timber, very scattering scrub juniper on W. portion.

Undergrowth, scattering sagebrush, bitter brush, yellow
top and bunch grass. Fair grazing.

N. $89^{\circ} 54'$ W., on a random line bet. secs. 6 and 7.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.13 Intersect W. bdy. of Tp., 3 lks. N. of the cor. of secs.
1, 6, 7 and 12 heretofore described; thence

S. $89^{\circ} 55'$ E., on a true line bet. secs. 6 and 7.

Over rolling land, through a few scattering scrub juniper
and scattering undergrowth of sagebrush, yellow top
and bunch grass.

15.10 Road, brs. NE. and SW.

15.90 Wash, 10 lks. wide, 4 ft. deep, course N. 10° E.

21.73 From this point, oil permit of William McPherson Fitzhugh,
No. 026477, which is a post, 4 x 4 ins., 8 ft. long, set
in mound of stone and marked L COR 8 SERIAL NO 026477
on W. face, bears S. 4 lks. dist.

Subdivision of T. 19 S., R. 14 E.

chains	
22.80	Wash, 10 lks. wide, 4 ft. deep, course NE.; ascend over mountainous land.
26.00	Top of bench, 120 ft. high, brs. NE. and SW.; thence ascend gradually over rolling bench.
27.85	From this point, oil permit of Egbert N. Wood, No. 027201, which is a post, 4 x 4 ins., 4 ft. long, set in mound of stone and marked COR 2 027201, brs. S., 2.40 chs. dist
40.13	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked $\frac{1}{4} \frac{S \ 6}{S \ 7}$ 1923 Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high N. of cor. From this cor., oil permit of William McPherson Fitzhugh, No. 026477, which is a post, 4 x 4 ins., 8 ft. long, set in mound of stone and marked N $\frac{1}{4}$ S7R14ET19S on S. face, and COR 7 026477 WMF on E. face, brs. S. 88° E., 150 lks. dist
53.00	Foot of ridge, brs. N. 20° E., and S. 20° W.; ascend.
57.70	Ridge, 200 ft. high, brs. N. 20° E., and S. 20° W.; descend.
80.13	The cor. of secs. 5, 6, 7 and 8, on rolling E. slope 220 ft. below ridge. Land, rolling and mountainous. Soil, rocky, sandy and clay loam; 4th rate. Timber, a few scattering scrub juniper. Undergrowth, scattering sagebrush, yellow top and bunch grass. Fair grazing.
	----- N. 0° 03' W., bet. secs. 5 and 6. Over rolling land sloping to the E., through scattering scrub juniper and scattering sagebrush, yellow top and bunch grass.
17.10	Draw, 30 ft. below sec. cor., course SE.; ascend.
21.00	Rim of draw, 30 ft. above bottom, brs. E. and W.; thence over rolling land.
24.00	Descend into canyon, brs. E. and W.
28.00	Bottom of canyon, 160 ft. deep, course E.; asc. S. slope.
28.70	Road, brs. E. and W.
34.00	Ridge, 140 ft. above canyon, brs. E. and W.; descend.
39.50	Draw, 50 ft. below ridge, course N. 80° E., ascend.

Subdivision of T. 19 S., R. 14 E.

Chains 40.00	Point for $\frac{1}{4}$ sec. cor. which fall on conglomerate boulder. Impracticable to set cor.
40.40	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for witness cor. to $\frac{1}{4}$ sec. cor., with brass cap marked
	$\begin{array}{c} \frac{1}{4} \\ \hline S6 | S5 \\ WC \\ 1923 \end{array}$
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
43.40	Ridge, 50 ft. above draw, brs. NE. and SW.; descend.
58.75	Draw, 65 ft. below ridge, course N.80°E.; ascend.
61.80	Spur, 20 ft. above draw, projects E.; descend.
66.93	Intersect the N. bdy. of Tp., N.89° 22'W., 4.69 chs. dist. from the cor. of secs. 31 and 32, T.18 S., R.14 E., heretofore described. At point of intersection Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground for closing cor. of secs. 5 and 6, with brass cap marked
	$\begin{array}{c} T18SR14E \\ S31 \\ \hline S6 | S5 \\ T19SR14E \\ CC \\ 1923 \end{array}$
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high S. of cor.
	Land, rolling and mountainous.
	Soil, rocky, sandy and clay loam; 3rd and 4th rate.
	Timber, a few scattering scrub juniper.
	Undergrowth, scattering sagebrush, yellow top and bunch grass. Fair grazing.

Latitudes, Departures and Closing Errors.

Line designated	True Bearing	Dist. chs.	Latitudes		Departures	
			N. chs.	S. chs.	E. chs.	W. chs.
S.bdy. T19SR14E	N.89°49' "	160.47	0.51			160.47
E.bdy. " "	North	468.51	468.51			
N.bdy. " "	East	3.40			3.40	
	S.88°14'E	40.06		1.23	40.04	
	S.89°22'E	82.41		.91	82.41	
	S.88°15'E	34.29		1.08	34.27	
E.bdy. secs. 5, 8, 17, 20, 29 & 32	S.0°03'E	466.00		466.00	.41	
Convergency					.19	
Totals			469.02	469.19	160.78	160.47
Error in lat. and dep.			0.20	17	0.25	5
				468.77		
				468.77		

General Description.

The lands contained in this fractional township are rolling and mountainous, the west slopes being steep and broken and the east slopes are gradual and rolling. There is a low divide extending through sections 7, 8, and 18 dividing the drainage. The drainage of the land lying to the north of this divide being northeasterly while the drainage of the land lying to the south is in a southeasterly direction.

The soil throughout this fractional township is shallow and rocky and may be classed as 3rd and 4th rate, the formation of which is sandstone, conglomerate and shale.

The soil supports a fair growth of shadscale, sagebrush, yellow top and bunch grass, which affords grazing for stock. There is also a very scattering growth of scrub juniper and pinon on this fractional township, which is of very little value except as fuel.

No surface water was found on this township.

No indications of mineral, coal or oil were noted during the execution of the survey.

No part of this township is suitable for cultivation, the land being too rough and broken, but the township is adapted for the grazing of stock, there being a medium growth of grasses and brush, which affords good feed.

At the time of the execution of this survey there were no settlers or improvements located on this fractional township.

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Page

CADASTRAL ENGINEER

CERTIFICATE OF UNITED STATES SURVEYOR.

I, Jos. C. Thoma, U.S. Cadastral Engineer, ~~resurveyor~~, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Utah bearing date of the 23 day of May, 19 23 I have well, faithfully, and in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the resurvey of the west boundary and portion of north boundary and the survey of portion of the subdivision of T. 19 S., R. 14 E.,

_____ of the Salt Lake and _____ Meridian, in the State of Utah, which are represented on date shown on date diagram the foregoing field notes as having been executed by me, and under my direction; and that all the corner said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for Utah and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

*Nashington, D. C.
March 8, 1924.*

Jos. C. Thoma
U. S. Cadastral Engineer. ~~EX-1000~~

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, April 10, _____, 19

resurvey the West Boundary and portion of the North Boundary and the survey of portion of the subdivision of Township 19 South, Range 14 East of the Salt Lake Base and Meridian

executed by Joseph C. Thoma, U.S. Cadastral Engineer

under his special instructions dated May 23, 1923, ~~1923~~, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

E. J. Johnson
U. S. Surveyor General

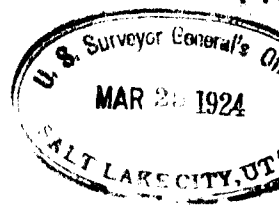
I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

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BOOK A-465

B

FIELD NOTES

OF THE ^{RE}_^SURVEY OF THE

PORTION OF THE EAST BOUNDARY

AND THE SURVEY OF

PORTION OF THE SUBDIVISION OF

T. 18 S., R. 13 E.,

Of the Salt Lake Base and

Meridian,

In the State of Utah.

EXECUTED BY

JOHN C. THOMAS

Central Engineer

In the capacity of U.S. ~~Surveyor~~ under instructions dated May 23, 1923,

issued by the United States Surveyor General to govern surveys included in

Group No. 137, which were approved by the Commissioner of the General Land

Office, June 26, 1923

Assignment instructions dated June 27, 1923.

Survey commenced July 10, 1923

Survey completed August 20, 1923.

INDEX DIAGRAM.

Township 18 South , Range 13 East.

0	5	4	3	2	1			
7	6	9	10	11	12			
18	17	16	15	14	13			
19	20	21	22	23	24			
				16	12			
30	29	28	27	15	26	10	25	6
				13			9	
31	32	33	34	13	35	8	36	4

BOOK A-465

4-679 b

INDEX DIAGRAM.

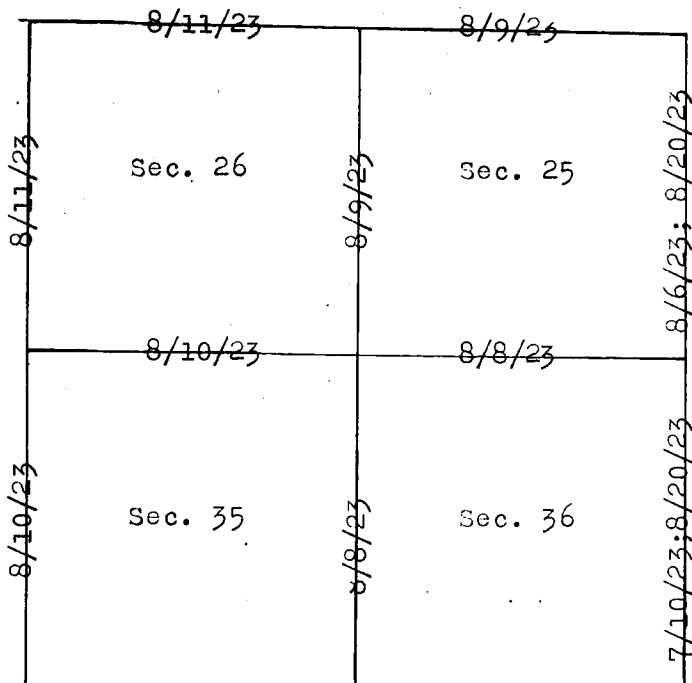
Township 18 S, Range 12 E

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	466 461	457
				465 460	456
				463 459	
31	32	33	34	463 458	454

DATE DIAGRAM

OF

T. 18 S., R. 13 E.



The lines were surveyed on dates shown on above diagram.

Instrument Tests and Observations.

Survey commenced July 10, 1923, and executed with Buff & Buff light mountain transit No. 9218; the instrument is equipped with a full vertical circle and the Smith solar attachment; all azimuth determinations are accomplished with the solar attachment except the special observations on Polaris upon which to test the solar apparatus as stated in the field notes. July 4; at my camp, which is located near the $\frac{1}{4}$ sec. cor. between sections 12 and 13, T. 19 S., R. 13 E., in approximate longitude $110^{\circ} 27' W.$; latitude $39^{\circ} 16' N.$; I examine the adjustments of the instrument and find them correct, then, to test the solar apparatus by comparing its indications resulting from solar

Instrument Tests and Observations

T. 18 S. R. 13 E.

Chains

observations made during a.m and p.m. hours with a meridian determined by observations on Polaris, I proceed as follows:

At my station in camp, at app. noon I observe the sun on the meridian for time and latitude, observing simultaneously the altitude of the sun's lower limb and the transit of the sun's west limb, reversing the telescope and observing simultaneously the altitude of the sun's upper limb and the transit of the sun's east limb:

Mean observed altitude,	73° 40' 00"
Reduced latitude,	39° 15' 45" ✓
Mean watch time of observation	12h 27m 30s
Watch fast of local mean time	0h 23m 29s ✓

At the same station at app. noon, I set off 22° 56' N. on the decl. arc; and observe the sun on the meridian with the solar; the resulting reading of the lat. arc is 39° 13' N., which differs 0° 03' from the lat. as determined by direct observations.

At 3h p.m., app. t., with the lat. arc unchanged, I set off 22° 55' N. on the decl. arc, and determine a meridian with the solar and note that a flag set approximately 15 chains distance bears N. 0° 07' E.

At 7h 24m 01s p.m., l.m.t., I make an hour angle observation on Polaris, east of the meridian, two each with the telescope in direct and reversed positions reading the horizontal deflection angle from the flag, east to Polaris:

Watch time of observation	7h 47m 30s
Mean horizontal angle, flag E. to Pol.	7' 22"
Azimuth of Polaris	0° 14' 18" W. ✓
True bearing of flag	N. 0° 6' 56" E.

July 5, 1923: At the same station at 8h a.m., app. t., with the lat. arc unchanged, I set off 22° 52' N. on the decl. arc, and determine a meridian with the solar

Instrument Tests and Observations

T. 18 S., R. 13 E.

Chains

and note the flag bears N. $0^{\circ} 07'E$.

Final test of Instrument.

At the completion of the survey I make final test of the solar apparatus by comparing its indications resulting from solar observations made during a. m and p. m. hours with the same Polaris meridian as determined for my preliminary tests.

Aug. 21, 1923, at 8h 30m a.m., app. t., I set off $39^{\circ} 13'$ N. on the lat. arc; $12^{\circ} 20'N$. on the decl. arc, and determine a meridian with the solar and note that the flag bears N. $0^{\circ} 07'E$.

At app. noon, with the lat. arc unchanged, I observe the sun on the meridian with the solar; the resulting reading of the decl. arc is $12^{\circ} 17'N$., which agrees with the computed decl. of the sun.

At 2h 30m p.m., app. t., with the lat. arc unchanged, I set off $12^{\circ} 15'N$. on the decl. arc, and determine a meridian with the solar and note the flag bears N. $0^{\circ} 07'E$.

The instrument was frequently tested during the progress of the survey by comparing its indications with the Polaris meridian, the results of which showed no error greater than $1'$ of arc.

Unless otherwise specified all measurements are made with a Lallie steel tape 5 chains in length, which was compared with a standard steel tape and found correct. The measurements are made on the slope, the vertical angle determined, and the slope measurements properly reduced to the true horizontal distances.

Resurvey of Portion of E. Bdy., T. 18 S., R. 13 E.

Chains	
	From the cor. of T. 18 S., Rs. 13 and 14 E., described in the notes of T. 19 S., R. 14 E.; thence North, bet. secs. 31 and 36 on retracement line.
40.00	Set temp. $\frac{1}{4}$ sec. cor. I made diligent search and no evidence of the $\frac{1}{4}$ sec. cor. was found.
80.00	Set temp. sec. cor. I made diligent search and no evidence of the cor. of secs. 25, 30, 31 and 36 was found.
	North, bet. secs. 25 and 30 on retracement line, continuing measurement
120.00	Set temp. $\frac{1}{2}$ sec. cor. I made diligent search and no evidence of the $\frac{1}{2}$ sec. cor. was found.
163.06	Fall 7.69 chs. W. of the cor. of secs. 19, 24, 25 and 30, which is a sandstone, 20 x 20 x 10 ins., firmly set in the ground and marked 2 notches on the S. and 4 notches on the N. edges. The cor. monument is unwitnessed.
	The course of the line from the cor. of T. 18 S., Rs. 13 and 14 E. to the cor. of secs. 19, 24, 25 and 30, is therefore N. 2° 42' E., and the length is 163.24 chains.
<hr/>	
	From the cor. of T. 18 S., Rs. 13 and 14 E.
	N. 2° 42' E., along E. bdy. of sec. 31, T. 18 S., R. 14 E. on resurvey line.
	Ascend S. slope over mountainous land, through a few scattering scrub juniper and pinon, and scattering shadscale, bitter brush and bunch grass.
5.40	Rocky ridge, 180 ft. above Tp. cor., brs. N. 80° W., and S. 80° E.; descend N. slope.
11.40	Gulch, 50 ft. below ridge, course E.; ascend S. slope.
24.65	Spur, 70 ft. above gulch, projects E.; desc. N. slope.
34.25	Wash, 20 lks. wide, 4 ft. deep, in ravine, 90 ft. below spur, course SE.; ascend S. slope.

Resurvey of Portion of E. Bdy., T. 18 S., R. 13 E.

Chains

40.04¹ Northing of 40.00 chs. from the cor. of T. 18 S., Rs. 13 and 14 E.

On solid sandstone outcropping, mark a cross and over cross

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in a mound of stone for $\frac{1}{4}$ sec. cor., sec. 36 only, with brass cap marked

$\frac{1}{4}$
S36
1923

40.73 As the true point for $\frac{1}{4}$ sec. cor. falls on sandstone boulder where it is impracticable set post, at this point

Set an iron post, 3 ft. long, 1 in. diam., 22 ins. in the ground to solid rock and 5 ins. in a mound of stone for witness cor. to $\frac{1}{4}$ sec. cor. of sec. 31 only, with brass cap marked

$\frac{1}{4}$ WC
S 31
1923

Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high E. of cor.

40.81 Proportionate measurement.

True point for $\frac{1}{4}$ sec. cor., falls on sandstone boulder. Mark a cross at true cor. point.

42.00 Spur, 40 ft. above ravine, projects E.; descend.

50.70 Wash, 20 lks. wide, 2 ft. deep, in ravine, 65 ft. below spur, course E.; thence over rolling land.

54.50 Wash, 10 lks. wide, 2 ft. deep, course SE.; ascend.

65.00 Ridge, 120 ft. above wash, brs. SE. and NW.; descend.

80.09 Northing of 80.00 chs. from cor. of T. 18 S., Rs. 13 and 14 E.

On sandstone outcropping surface to broken to mark

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in a mound of stone, for the cor. of secs. 25 and 36, only, with brass cap marked

Resurvey of Portion of E. Bdy., T. 18 S., R. 13 E.

Chains

T18S	T18S
S 25	R14E
S 36	S31
R13E	

1923

Deposit a sandstone, 6 x 6 x 3 ins., marked with a cross at base of post.

81.62 Proportionate measurement.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground for the cor. of secs. 30 and 31, only, with brass cap marked

T18S	T18S
R13E	S 30
S 25	S 31
	R14E

1923

Raise a mound of stone, 2 ft. base, 1½ ft. high E. of cor.

Cor. stands on NE. slope, 125 ft. below ridge.

Land, mountainous; drainage SE.

Soil, rocky, sandy and clay loam; 4th rate.

Timber, a few scattering scrub juniper and pinon.

Undergrowth, scattering shadscale, bitter brush and bunch grass. Fair grazing.

E. 2° 42' E., along W. bdy. of sec. 30, on resurvey line.

Descend over mountainous land, through a few scattering scrub juniper and pinon, and scattering bitter brush, yellow top and bunch grass.

8.90 Gulch, 30 ft. below sec. cor., course E.; ascend.

15.30 Top of ascent, 10 ft. above gulch, slopes E.; descend.

19.15 Wash, 20 lks. wide, 2 ft. deep, in ravine, 40 ft. below top of ascent, course NE.; ascend. S. slope.

38.51 Northing of 40.00 chs. from cor. of secs. 25 and 36.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for ¼ sec. cor. of sec. 25 only, with brass cap marked

Chains

mi. 1/4 sec. cor. 1/4

To S25

1923

Raise a mound of stone, 2 ft. base, 1 1/2 ft. high W. of cor.

40.81 Proportionate measurement.

True point for 1/4 sec. cor. falls on edge of conglomerate boulder, where it is impracticable to set post, therefore at

40.91 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for witness cor. to 1/4 sec. cor., of sec. 30 only, with brass cap marked

1/4
S30

WC

1923

Raise a mound of stone, 2 ft. base, 1 1/2 ft. high E. of cor.

42.00 Ridge, 160 ft. above wash, brs. E. and W.; descend gradual N. slope.

53.00 Descent becomes more abrupt, brs. E. and W.

70.30 Wash, 20 lks. wide, 3 ft. deep, in ravine, 510 ft. below ridge, course W.; ascend S. slope.

78.56 Northing of 80.00 chs. from the cor. of secs. 25 and 36. Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground for the cor. of secs. 24 and 25, only, with brass cap marked

T18S	T18S
S 24	
	R14E
S 25	
R13E	S 30

1923

Raise a mound of stone, 2 ft. base, 1 1/2 ft. high W. of cor.

81.62 The cor. of secs. 19, 24, 25 and 30, heretofore described. This cor. will hereafter refer to secs. 19 and 30, T. 18 S., R. 14 E. only. I destroy the marks on this cor. pertaining to secs. 24, and 25, T. 18 S., R. 13 E., and along side of cor monument

Resurvey of Portion of E. Bay., T. 18 S., R. 13 E.

Chains

Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground to solid rock, and 21 ins. in a mound of stone for the cor. of secs. 19 and 30 only, with brass cap marked .

T18S	T18S
R13E	S 19
S 24	S 30
	R14E

1923

The cor. stands on S. slope, 80 ft. above wash.

Land, rough and mountainous.

Soil, shallow rocky, sandy and clay loam; 3rd and 4th rate.

Timber, a few scattering scrub juniper and pinon.

Undergrowth, scattering bitter brush, yellow top and bunch grass. Fair grazing.

Subdivision of T. 18 S., R. 13 E.

From true point for the cor. of secs. 35 and 36, on .

S. bdy. of Tp., which is 10 lks. east, and 13 lks.

north of the witness cor., described in the notes of

T. 19 S., R. 13 E.; thence .

North, bet. secs. 35 and 36, on sectional guide meridian

Descend over mountainous land, through a few scattering scrub juniper, and scattering shadscale, bitter brush and bunch grass.

3.70 Small gulch, course W.; continue descent.

10.75 Ravine, 70 ft. below sec. cor., course NE.; ascend along E. slope.

45.00 Top of ascent, 80 ft. above ravine, slopes E.; descend.

32.30 From this point, a small spring of clear water, bears E. approximately 5.00 chs. dist.

40.00 Set an iron post, 3 ft. long, .1 in. diam., 27 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

Subdivision of T. 18 S., R. 13 E.

Chains

$\frac{1}{4}$
 S35 | S36
 1923

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.

42.20 Recross ravine, 150 ft. below top of ascent, course
W.; ascend.

57.00 Spur, 140 ft. above ravine, projects S. 60° W.; descend
NW. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 21 ins. in
the ground to solid rock and 6 ins. in a mound of
stone for the cor. of secs. 25, 26, 35 and 36, with
brass cap marked

T18S | R13E
 S 26 | S 25
 S 35 | S 36
 1923

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
Cor. stands at foot of descent on W. slope, 175 ft.
below spur.

Land, rough and mountainous.

Soil, rocky, sandy and clay loam; 4th rate.

Timber, a few scattering scrub juniper and pinon.

Undergrowth, scattering shadscale, bitter brush and
bunch grass. Fair grazing.

East, on a random line bet. secs. 25 and 36.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

83.65 Intersect E. bdy. of Tp. 7 lks. S. of the cor. of secs.
25 and 36, heretofore described; thence
S. $89^{\circ} 57'$ W., on a true line bet. secs. 25 and 36.

Ascend W. slope over mountainous land, through a few
scattering scrub juniper and pinon, and scattering
shadscale, bitter brush, yellow top and bunch grass.

18.50 Ridge, 95 ft. above sec. cor., brs. N. and S.; descend
W. slope.

28.35 Ravine, 75 ft. below ridge, course NW.; ascend.

Subdivision of T. 18 S., R. 15 W.

Chains

34.50 Spur, 50 ft. above ravine, projects NW.; descend.

43.65 On solid sandstone outcropping mark a cross and over cross

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap marks

$$\begin{array}{r} S 25 \\ \frac{1}{4} \\ S 36 \end{array}$$

00.72

1923

Cor. stands in head of gulch, 95 ft. below spur, course NW.; ascend.

46.70 Spur, 15 ft. above $\frac{1}{4}$ sec. cor., projects NW.; descend.

52.35 Gulch, 60 ft. below spur, course N.70°W.; ascend.

56.30 Spur, 25 ft. above gulch, projects N.70°W.; descend.

58.50 Gulch, 45 ft. below spur, course N.; ascend.

64.00 Spur, 155 ft. above gulch, projects NW.; descend.

83.65 The cor. of secs. 25, 26, 35 and 36, 250 ft. below spur. Land, mountainous.

Soil, rocky, clay and sandy loam; 4th rate.

Timber, a few scattering scrub juniper and pinon.

Undergrowth, scattering shadscale, bitter brush, yellow top and bunch grass. Fair grazing.

North, bet. secs. 25 and 26 on sectional guide meridian.

Ascend W. slope over mountainous land, through a few scattering scrub juniper and pinon, and scattering sage and bitter brush, shadscale, yellow top and bunch grass.

2.00 Top of ascent, 15 ft. above sec. cor., slopes W.; desc.

20.00 Wash, 1 ch. wide, 4 ft. deep, in ravine, 100 ft. below top of ascent, course NE.; ascend.

21.00 Top of ascent, 35 ft. above ravine, slopes NE.; desc.

23.90 Wash, 20 lks. wide, 4 ft. deep, in gulch, 20 ft. below top of ascent, course N.50°E.; ascend.

32.20 Spur, 60 ft. above gulch, projects NE.; descend.

Subdivision of T. 18 S., R. 13 E.

Chains

40.00' Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S26 | S25
1923

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Cor. stands in head of draw, 40 ft. below spur, course N.15°E.; ascend.

48.70' Spur, 30 ft. above $\frac{1}{4}$ sec. cor., projects E.; descend.

49.90' Wash, 20 lks. wide, 2 ft. deep, in ravine, 30 ft. below spur, course E.; ascend.

60.60' Spur, 100 ft. above ravine, projects E.; descend.

65.30' Ravine, 90 ft. below spur, course E.; ascend.

68.85' Ridge, 35 ft. above ravine, brs. E. and W.; descend.

72.30' Wash, 1 ch. wide, 6 ft. deep, in ravine, 85 ft. below spur, course E.; thence over level bottom. of ravine.

79.40' Road, brs. NE. and W.

80.00' Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground for the cor. of secs. 23, 24, 25 and 26, with brass cap marked

T18S | R13E
S 23 | S 24
S 26 | S 25
1923

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.

Land, rough and mountainous.

Soil, rocky, sandy and clay loam; 4th rate.

Timber, a few scattering scrub juniper and pinon.

Undergrowth, scattering sage and bitter brush, shadscale, yellow top and bunch grass. Fair grazing.

N.89° 57'E., on a random line bet. secs. 24 and 25.

40.00' Set temp. $\frac{1}{4}$ sec. cor.

87.27' Intersect E. bdy. of Tp. 10 lks. N. of the cor. of secs. 24 and 25, heretofore described; thence

Subdivision of T. 18 S., R. 13 E.

Chains	
	N. 89° 59' W., on a true line bet. secs. 24 and 25. Ascend over mountainous land, through a few scattering scrub juniper and pinon, and scattering shadscale, bitter brush, yellow top and bunch grass.
6.90	Spur, 75 ft. above sec. cor., projects S. 70° E.; descend.
28.25	Gulch, 200 ft. below spur, course NW.; ascend.
31.50	Top of ascent, 35 ft. above gulch, slopes NW.; descend.
36.00	Gulch, 80 ft. below top of ascent, course NW.; ascend.
44.00	Spur, 70 ft. above gulch, projects NW.; descend.
47.27	Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to solid rock, and 15 ins. in a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap marked <div style="text-align: center;"> $\begin{array}{r} S\ 24' \\ \frac{1}{4} \\ \hline S\ 25 \end{array}$ </div> 1923 Deposit a sandstone, 8 x 4 x 4 ins., marked with a cross at base of post.
58.93	From this point, NW. cor. of oil permit of Mary E. Fitzhugh, No. 026754, which is a post, 4 x 4 ins. sq., 8 ft. long, set in a mound of stone and marked NW COR No 026754 NEF on S. face, bears N. 2° 15' W., 2.21 chs. dist.
66.50	Wash, 1 ch. wide, 6 ft. deep, in ravine, 160 ft. below spur, course N. 30° E.; ascend.
73.50	Spur, 50 ft. above ravine, projects NE.; descend.
77.75	Wash, 1 ch. wide, 6 ft. deep, in ravine 30 ft. below spur, course NE.; thence over rolling bottom of ravine.
85.10	Road, brs. NE. and SW.
87.27	The cor. of secs. 23, 24, 25 and 26. Land, mountainous. Soil, rocky, sandy and clay loam; 4th rate. Timber, a few scattering scrub juniper and pinon. Undergrowth, scattering shadscale, bitter brush, yellow top and bunch grass. Fair grazing.

Subdivision of T. 18 S., R. 13 E.

Chains

From the cor. of secs. 34 and 35, on S. bdy. of Tp.,
described in the notes of T. 19 S., R. 13 E.; thence
N.0° 01'W., bet. secs. 34 and 35.

Descend over mountainous land, through a few scattering
scrub juniper and pinon, and scattering shadscale,
bitter brush, yellow top and bunch grass.

- 6.50 Ravine, 45 ft. below sec. cor., course N.60°E.; ascend.
24.25 Ridge, 175 ft. above ravine, brs. NE. and SW.; descend
over gradual slope.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in
the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

$$\begin{array}{r} \frac{1}{4} \\ 354 \mid 335 \\ 1923 \end{array}$$

Raise a mound of stone, 2 ft. base, 1 ft. high W. of cor.

- 47.70 Draw, 80 ft. below ridge, course E.; ascend S. slope.
57.00 Spur, 100 ft. above draw, projects E.; descend.
69.35 Head of ravine, 45 ft. below spur, course NE.; ascend.
80.00 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in
the ground for the cor. of secs. 26, 27, 34 and 35,
with brass cap marked

$$\begin{array}{r} 1183 \mid 1198 \\ 3 \ 27 \mid 3 \ 46 \\ 3 \ 34 \mid 3 \ 35 \\ 1923 \end{array}$$

Raise a mound of stone, 2 ft. base, 1 ft. high W. of cor.
Cor. stands on rolling ridge, 60 ft. above ravine, brs.
NE. and SW.

Land, mountainous; drainage NE.

Soil, rocky, sandy and clay loam; 4th rate.

Timber, a few scattering scrub juniper and pinon.

Undergrowth, scattering shadscale, bitter brush, yellow
top and bunch grass. Fair grazing.

East, on a random line bet. secs. 26 and 35.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.

Subdivision of T. 18 S., R. 13 E.

Chains

80.10 Intersect N. and S. line, 3 lks. S. of the cor. of secs. 25, 26, 35 and 36; thence

S. $89^{\circ} 59'$ W., on a true line bet. secs. 26 and 35.

Descend over mountainous land, through a few scattering scrub juniper and pinon and scattering shadscale, yellow top and bunch grass.

8.00 Wash, 1 ch. wide, 4 ft. deep, in ravine, 80 ft. below sec. cor., course NE.; ascend gradual E. slope.

39.90 As true point for $\frac{1}{4}$ sec. cor. falls on conglomerate boulder where it is impracticable to set post; at this point

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for witness cor. to $\frac{1}{4}$ sec. cor., with brass cap marked

S 26
WC $\frac{1}{4}$ —————
S 35

1923

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.

40.05 True point for $\frac{1}{4}$ sec. cor. on conglomerate boulder.

Impracticable to set post at this point.

Point for $\frac{1}{2}$ sec. cor. is on gradual E. slope, 100 ft. above ravine.

54.00 Top of ascent, 120 ft. above $\frac{1}{2}$ sec. cor., brs. NE. and SW.; descend.

58.40 Ravine, 20 ft. below top of ascent, course NE.; ascend gradual E. slope.

80.10 The cor. of secs. 26, 27, 34 and 35, on ridge, 130 ft. above ravine.

Land, rolling mountains.

Soil, rocky, sandy and clay loam; 4th rate.

Timber, a few scattering scrub juniper and pinon.

Undergrowth, scattering shadscale, yellow top and bunch grass. Fair grazing.

Subdivision of T. 18 S., R. 13 E.

Chains

N. 0° 01' W., bet. secs. 26 and 27.

Descend over mountainous land, through a few scattering scrub juniper and pinon, and scattering shadscale, yellow top and bunch grass.

14.00 Head of ravine, 170 ft. below sec. cor., course NE.; ascend.

33.50 Ridge, 20 ft. above ravine, brs. NE. and SW.; descend.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to solid rock and 15 ins. in a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S27 | S26
1923

Deposit a sandstone, 12 x 6 x 4 ins., marked with a cross at base of post.

64.75 Gulch, 175 ft. below ridge, course E.; ascend.

66.90 Spur, 60 ft. above gulch, projects E.; descend.

71.90 Draw, 15 ft. below spur, course SE., ascend.

76.00 Spur, 25 ft. above draw, projects NE.; descend.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the ground to solid rock and 17 ins. in a mound of stone for the cor. of secs. 22, 23, 26 and 27, with brass cap marked

T18S | R13E
S 22 | S 23
S 27 | S 26
1923

Deposit a sandstone, 8 x 4 x 4 ins., marked with a cross at base of post.

Cor. stands on steep NW. slope, 35 ft. below spur.

Land, mountainous; drainage NE.

Soil, rocky, sandy and clay loam; 4th rate.

Timber, a few scattering scrub juniper and pinon.

Undergrowth, scattering shadscale, yellow top and bunch grass. Fair grazing.

Subdivision of T. 18 S., R. 13 E.

Chains	
	N. 89° 59' E., on a random line bet. secs. 23 and 26.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.96	Intersect the cor. of secs. 23, 24, 25 and 26; thence S. 89° 59' W., on true line bet. secs. 23 and 26.
	Along bottom of ravine, over mountainous land through a few scattering scrub juniper and pinon, and scattering shadscale, bitter brush, yellow top and bunch grass.
4.20	Road, brs. NW. and SE.
6.00	Wash, 1 ch. wide, 4 ft. deep, course SE.; ascend SE. slope.
16.25	Spur, 70 ft. above wash, projects NE.; descend.
25.00	Wash, 50 lks. wide, 3 ft. deep, in ravine, 50 ft. below spur, course NE.; ascend.
39.96	The true point for $\frac{1}{4}$ sec. cor. falls on side of conglomerate boulder, and it is impracticable to set post, therefore at this point
	Set an iron post, 3 ft. long, 1 in. diam., in crevice between two boulders for witness cor. to $\frac{1}{4}$ sec. cor., with brass cap marked
	$\begin{array}{r} \text{S } 23 \\ 70\frac{1}{4} \text{ ---} \\ \text{S } 26 \end{array}$
	1923
39.98	True point for $\frac{1}{4}$ sec. cor., which is on side of conglomerate boulder. Impracticable to set post at this point.
51.50	Rocky point, 135 ft. above wash, slopes N.; descend.
56.60	Gulch, 70 ft. below rocky point, course NE.; ascend.
64.70	Spur, 60 ft. above gulch, projects S.; descend.
67.50	Gulch, 25 ft. below spur, course S.; ascend.
76.25	Spur, 45 ft. above gulch, projects NE.; descend.
79.96	The cor. of secs. 22, 23, 26 and 27, 30 ft. below spur.
	Land, mountainous.
	Soil, rocky, sandy and clay loam; 3rd and 4th rate.
	Timber, a few scattering scrub juniper and pinon.
	Undergrowth, scattering shadscale, bitter brush, yellow top and bunch grass. Fair grazing.

Latitudes, Departures and Closing Errors.

Line designated	True Bearing	Dist. chs.	Latitudes		Departures	
			N. chs.	S. chs.	E. chs.	W. chs.
S.bdy. T.18SR13E	West	160.00				160.00
W.bdy. secs. 35 and 26,	N.0°01'W	160.00	160.00			.05
Bet. secs. 23 and 26,	N.89°59'E	79.96	.02		79.96	
Bet. secs. 24 and 25,	S.89°59'E	87.27		0.02	87.27	
E.bdy. T.18SR13E	S.2°42'W	160.18		160.00		7.54
Convergency					0.06	
Totals			160.02	160.02	167.29	167.59
Error in lat. and dep.			160.02		167.29	167.59
			0.00			0.30

General Description.

The lands contained in this fractional township are rolling and mountainous. A large wash, the course of which is in a northeasterly direction through the east portion of section 35, the southeast corner of section of 26 and the west portion of section of 25, forms the main drainage. The drainage of the land lying to the west of this wash being northerly, while the land lying to the east drains in a northwesterly direction.

The soil throughout this fractional township is shallow and rocky and may be classed as 3rd and 4th rate, the formation of which is sandstone, conglomerate and shale.

The soil supports a fair growth of shadscale, bitter brush, yellow top and bunch grass, which affords grazing for stock. There is also a very scattering growth of scrub juniper and pinon on this fractional township, which is of very little value except as fuel. A small spring of clear water located in the NW. $\frac{1}{4}$ of the SW. $\frac{1}{4}$ of section 36 is the only surface water found on this fractional township.

No indications of mineral, coal or oil were noted during the execution of the survey.

General Description, T. 18 S., R. 13 E.

Chains

No part of this township is suitable for cultivation, the land being too rough and broken, but the township is adapted for grazing of stock, there being a medium growth of grasses and brush, which affords good feed.

At the time of the execution of this survey there were no settlers or improvements located on this fractional township.

BOOK A-465

4-680

FIELD ASSISTANTS.

NAMES.	CAPACITY.
Walter Byergo	First Chairman.
David Dallas	Second Chairman.
Jos. C. Thoma, Jr.	Flagman.

CERTIFICATE OF UNITED STATES ~~SURVEYOR~~ ^{CADASTRAL ENGINEER}

I, Jos. C. Thoma, U.S. Cadastral ^{Engineer} ~~Surveyor~~, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Utah bearing date of the 23rd day of May, 1924, I have well, faithfully, and in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the resurvey of portion of the east boundary, and the survey of portion of the subdivision of T. 18 S., R. 13 E.,

of the Salt Lake Base and Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed by me, and under my direction; and that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for Utah and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

*Washington, D.C.
March 8, 1924.*

Jos. C. Thoma
U.S. Cadastral Engineer. ~~Surveyor~~

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, April 10, 1924

resurvey
The foregoing field notes of the survey of the portion of the east boundary and the survey of portion of the subdivision of Township 18 South, Range 13 E. of the Salt Lake Base and Meridian.

executed by Joseph C. Thoma, U.S. Cadastral Engineer under his special instructions dated May 23, 1923, ~~and~~ ^{and} having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

[Signature]
U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

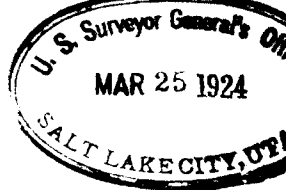
U. S. Surveyor General.

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BOOK A-465

C

FIELD NOTES

RE
OF THE SURVEY OF ~~THE~~

PORTION OF THE NORTH AND SOUTH BOUNDARIES

AND THE SURVEY OF

PORTION OF THE SUBDIVISION OF

T. 19 S., R. 13 E.,

Of the Salt Lake Base and Meridian,

In the State of Utah

EXECUTED BY

Jos. C. Thoma

Cadastral Engineer
In the capacity of U. S. ~~Surveyor~~, under instructions dated May 23, 1923,

issued by the United States Surveyor General to govern surveys included in

Group No. 137, which were approved by the Commissioner of the General Land

Office, June 26, 1923.

Assignment instructions dated June 27, 1923.

Survey commenced July 20, 1923.

Survey completed August 7, 1923.

ECOL A-465

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INDEX DIAGRAM.

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10

Instrument Tests and Observations.

Chains

Survey commenced July 20, 1923, and executed with Buff & Buff light mountain transit No. 9218; the instrument is equipped with a full vertical circle and the Smith solar attachment; all azimuth determinations are accomplished with the solar attachment except the special observations on Polaris upon which to test the solar apparatus as stated in the field notes.

July 4, 1923; at my camp, which is located near the $\frac{1}{4}$ sec. cor. between sections 12 and 13, T. 19 S., R. 13 E., in approximate longitude $110^{\circ} 27' W.$, latitude $39^{\circ} 16' N.$, I examine the adjustments of the instrument and find them correct, then, to test the solar apparatus by comparing its indications resulting from solar observations made during a. m. and p. m. hours with a meridian determined by observations on Polaris, I proceed as follows:

At my station in camp, at app. noon I observe the sun on the meridian for time and latitude, observing simultaneously the altitude of the sun's lower limb and the transit of the sun's west limb, reversing the telescope and observing simultaneously the altitude of the sun's upper limb and the transit of the sun's east limb:

Mean observed altitude	$73^{\circ} 40' 00''$
Reduced latitude	$39^{\circ} 15' 45''$
Mean watch time of observation	12h 27m 30s
Watch fast of local mean time	0h 23m 30s

At the same station at app. noon, I set off $22^{\circ} 56' N.$ on lecl. arc; and observe the sun on the meridian; the resulting reading of the lat. arc is $39^{\circ} 13' N.$, which differs $0^{\circ} 03'$ from the lat. as determined by direct observations on the sun.

At 7h 24m 01s p.m., l.m.t., I make an hour angle observation on Polaris east of the meridian, two each with the telescope in direct and reversed positions,

Instrument Tests and Observations.

Chains

reading the horizontal deflection angle from the flag, east to Polaris; the flag being about 15 chs. N.

Watch time of observation 7h 47m 30s

Mean horizontal angle, flag E. to Pol. 7' 22"

Azimuth of Polaris 0° 14' 18"W.

True bearing of flag N.0° 6' 56"E.

July 15, 1923; at same station at 9h a .m., app. t., I set off 39° 13' N. on the lat. arc; 21° 44' N. on the decl. arc, and determine a meridian with the solar and note that the flag bears N.0° 07'E.

At app. noon, with the lat. arc unchanged, I observe the sun on the meridian with the solar attachment; the resulting reading of the decl. arc is 21° 42' N, which agrees with the computed decl. of the sun.

At 3h p.m.; app. t., with the lat. arc unchanged, I set off 21° 41' N. on the decl. arc and determine a meridian with the solar and note the flag bears N.0° 07'E.

Final Test of Instrument.

At the completion of the survey I make a final test of the solar apparatus by comparing its indications resulting from solar observations made during a.m. and p. m. hours with the same Polaris meridian as determined for my preliminary tests.

Aug. 12, 1923, at 9h a.m., app. t., I set off 39° 13' N. on the lat. arc; 15° 10' N. on the decl. arc, and determine a meridian with the solar and note that the flag bears N. 0° 07'E.

At app. noon, with the lat. arc unchanged, I observe the sun on the meridian with the solar; the resulting reading of the decl. arc is 15° 08' N., which agrees with the computed decl. of the sun.

At 3h p.m., app. t., with the lat. arc unchanged, I set off 15° 06' N. on the decl. arc and determine a meridian with the solar and note that the flag bears N.0° 07'E.

.Instrument Tests and Observations.

Chains

article 10

The instrument was frequently tested during the progress of the survey by comparing its indications with the Polaris meridian, the results of which showed no error greater than .1' of arc.

Unless otherwise specified all measurements are made with a Lallie steel tape 5 chains in length, compared with a standard steel tape and found correct. The measurements are made on the slope, the vertical angle determined, and the slope measurements properly reduced to true horizontal distances.

Resurvey of Portion of S.Bdy., T. 19 S., R. 13 E.

From the cor. of Ts. 19 and 20 S., Rs. 13 and 14 E., for description of which see the notes of T. 19 S., R. 14 E.; thence

West, bet. secs. 1 and 36, on resurvey line.

Ascend E. slope over broken mountainous land, through very scattering scrub juniper, and scattering undergrowth of sage and bitter brush and bunch grass.

39.00 As the true point for $\frac{1}{4}$ sec. cor. falls on large conglomerate boulder, at this point

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for witness cor. to $\frac{1}{4}$ sec. cor., with brass cap marked

$$\text{WC } \frac{1}{4} \frac{\text{S } 36}{\text{S } 1}$$

1923

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor. No. evidence of original $\frac{1}{4}$ sec. cor. found.

40.00 True point for $\frac{1}{4}$ sec. cor., which falls on large

conglomerate boulder, on E. slope 280 ft. above Tp.

cor. Impracticable to set cor.

Continue ascent over broken E. slope.

63.80 Small gulch, course NE.

Resurvey of Portion of S. Bdy. of T. 19 S., R. 13 E.

Chains

80.00 Point for sec. cor. falls on conglomerate outcropping,
on which I mark a cross at cor. point, and over cross
Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in
a mound of stone, for the cor. of secs. 1, 2, 35 and
36, with brass cap marked

T19S	R13E
S 35	S 36
S 2	S 1

T20S

1923

Cor. stands on E. slope, 200 ft. above $\frac{1}{4}$ sec. cor.

No evidence of the old cor. of secs. 1, 2, 35 and 36
was found.

Land, rough and mountainous, sloping E.

Soil, shallow and rocky, clay and sand loam; 4th rate.

Timber, a few scattering scrub juniper.

Undergrowth, scattering sage and bitter brush and bunch
grass. Fair grazing.

West, bet. secs. 2 and 35 on resurvey line.

Ascend E. slope, over mountainous land, through scatter-
ing scrub juniper, and scattering sagebrush, yellow
top and bunch grass.

8.70 Top of ascent and rim of canyon, 50 ft. above sec. cor.,
slopes NE.; abrupt descent over W. slope.

36.50 Ravine, 370 ft. below rim of canyon, course N.; ascend.

39.50 Top of ascent, 20 ft. above ravine, slopes N.; descend.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in
the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

S 35
$\frac{1}{4}$
S 2
1923

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.

No evidence of the old $\frac{1}{4}$ sec. cor. found.

47.40 Bottom of canyon, 20 ft. below top of ascent, course
NE.; thence along N. side of canyon.

58.40 Bottom of canyon, course SE. from the SW.; continue
along N. side of canyon.

Resurvey of Portion of S. Bdy. of T. 19 S., R. 13 E.

Chains

- 65.75 Wash, 10 lks. wide, 2 ft. deep, course SE.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam.; 27 ins. in the ground for the cor. of secs. 2, 3, 34 and 35, with brass cap marked

T19S	R13E
S 34	S 35
S 3	S 2

T20S
1923

Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor. From this cor. the old cor. of secs. 2, 3, 34 and 35, which is a trachyte, 14 x 8 x 4 ins., firmly set in the ground and marked with 4 notches on W. and 2 notches on E. edge, bears N. 69° W., 41 lks. dist. I destroy this old cor., removing the cor. monument and set the old stone along side of the iron post.

Land, rough and mountainous; drainage NE.

Soil, rocky, sandy and clay loam; 3rd and 4th rate.

Timber, a few scattering scrub juniper.

Undergrowth, scattering sagebrush, yellow top and bunch grass. Fair grazing.

Resurvey of Portion of N. Bdy., T. 19 S., R. 13 E.

From the cor. of T. 18 S., Rs. 13 and 14 E., for description of which see notes of T. 19 S., R. 14 E.; thence

West, along S. bdy. of sec. 36, T. 18 S., R. 13 E., on resurvey line.

Descend SW. slope over mountainous land, through a few scattering scrub juniper, and scattering shadscale, yellow top and bunch grass.

3.40 Intersect the closing cor. of T. 19 S., Rs. 13 and 14 E., described in notes of T. 19 S., R. 14 E.

4.50 Gulch, 50 ft. below Tp. cor., course S. 80° E.; ascend.

19.00 Top of ascent, 225 ft. above gulch, slopes N.; descend.

Resurvey of Portion of N. Bdy., T. 19 S., R. 13 E.

Chains

- 21.30 Recross gulch, 15 ft. below top of ascent, course N.70°E. ascend.
- 33.15 Rim of gulch, 75-ft. above bottom, brs. N. and S.; desc. gradually over rolling land.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to solid rock and 18 ins. in a mound of stone, for $\frac{1}{4}$ sec. cor. of sec. 36 only, with brass cap marked
- $$\frac{1}{4} \frac{S \ 36}{1923}$$
- Deposit a sandstone, 12 x 7 x 6 ins., marked with a cross at base of post.
- No evidence of the old $\frac{1}{4}$ sec. cor. found.
- 43.40 Westing of 40.00 chs. from the closing cor. of T. 19 S., Rs. 13 and 14 E.
- Set an iron post, 3 ft. long, 1 in. diam., over a cross marked on sandstone outcropping, 27 ins. in a mound of stone for $\frac{1}{4}$ sec. cor. of sec. 1 only, with brass cap marked
- $$\frac{1}{4} \frac{S \ 1}{1923}$$
- 59.83 From this point, cor No. 5 of oil permit of Mary E. Fitzhugh, No. 026754, which is a post, 4 x 4 ins., 8 ft. long set in a mound of stone, and marked L COR 5 026754 MEF on E. face, bears N. 42 lks. dist.
- 63.13 From this point, cor. No. 4, of oil permit of Mary E. Fitzhugh, No. 026754, which is a post, 4 x 4 ins., 8 ft. long, set in mound of stone, and marked L COR 4 026754 MEF, on E. face, bears N. 37 lks. dist.
- 80.00 True point for cor. of secs. 35 and 36 falls on large conglomerate boulder where it is impracticable to set post, therefore at a point, 10 lks. W. and 13 lks. S. of true point
- Set an iron post, 3 ft. long, 2 ins. diam., over a cross marked on solid sandstone outcropping, 27 ins. in a mound of stone for witness cor. to the cor. of secs.

Resurvey of Portion of N. Bdy., T. 19 S., R. 13 E.

Chains

35 and 36, with brass cap marked

T18S	R13E ^{WC}
S 35	S 36
T19S	R13E
S1	
1923	

Cor. stands on gradual W. slope, 260 ft. below rim of gulch. No evidence of the old sec. cor. found.

Land, rolling and mountainous.

Soil, rocky, sandy and clay loam; 3rd and 4th rate.

Timber, a few scattering scrub juniper.

Undergrowth, scattering shadscale, yellow top and bunch grass. Fair grazing.

From true point for the cor. of secs. 35 and 36.

West, along S. bdy. of sec. 35, on resurvey line.

Descend gradually over W. slope, through a few scattering scrub juniper and scattering shadscale, bitter brush, yellow top and bunch grass.

0.10 Point 13 lks. N. of witness cor. to the cor. of secs. 35 and 36.

3.00 Ravine, 40 ft. below sec. cor., course N.20°E.; ascend

3.40 Westing of 80.00 chs. from the closing cor. of T. 19 S., R. 13 and 14 E.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground for the cor. of secs. 1 and 2, T. 19 S., R. 13 E., with brass cap marked

T18S	R13E
S35	
S 2	S 1
T19S	R13E
1923	

Raise a mound of stone, 2 ft. base, 1½ ft. high S. of cor.

6.30 Ridge, 80 ft. above ravine, brs. N.10°E., and S.10°W.; descend W. slope.

16.50 Draw, 110 ft. below ridge, course NW.; ascend.

20.80 Point of spur, 10 ft. above draw, slopes NW.; descend NW. slope.

Resurvey of Portion of N. Bdy., T.19 S., R. 13 E.

Chains

28.60 Large wash, in canyon, 75 ft. below point of spur, course N.10°E.; ascend.

32.25 Point of spur, 40 ft. above canyon, slopes N.80°E.; desc.

36.25 Draw, 15 ft. below point of spur, course NE.; ascend.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for $\frac{1}{4}$ sec. cor., sec. 35 only, with brass cap marked

$\frac{1}{4}$ S 35

1923

43.40 Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high N. of cor. No evidence of original $\frac{1}{4}$ sec. cor. found.

Westing of 40.00 chs. from cor. of secs. 1 and 2, T. 19 S., R. 13 E.

Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to solid rock and 7 ins. in a mound of stone for $\frac{1}{4}$ sec. cor., sec. 2 only, with brass cap marked

$\frac{1}{4}$ S 2

1923

Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high S. of cor.

70.00 Spur, 155 ft. above draw, projects NE.; descend. W. slope

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to solid rock and 15 ins. in a mound of stone for the cor. of secs. 34 and 35, with brass cap marked

T18S | R13E
S 34 | S 35
T19SR13E
S2

1923

Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high NW. of cor. on conglomerate boulder. The conglomerate boulder extending to the N. of cor. made it impracticable to raise a mound of stone to the N.

No evidence of the old cor. of secs. 2, 3, 34 and 35 found.

West, along N. bdy. of sec. 2, continuing measurement.

Resurvey of Portion of N. Bdy., T. 19 S., R. 13 E.

Chains	
83.40	<p>Westing of 80.00 chs. from the cor. of secs. 1 and 2, T. 19 S., R. 13 E.</p> <p>Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to solid rock and 15 ins. in a mound of stone for the cor. of secs. 2 and 3, T. 19 S., R. 13 E., with brass cap marked</p> <div data-bbox="609 548 761 725" style="text-align: center;"> <p>T18SR13E S34 S 3 S 2 T19S R13E 1923</p> </div> <p>Raise a mound of stone, 2 ft. base, 1½ ft. high S. of cor. Land, rolling and mountainous.</p> <p>Soil, rocky, sandy and clay loam; 3rd and 4th rate.</p> <p>Timber, a few scattering scrub juniper.</p> <p>Undergrowth, scattering shadscale, bitter brush, yellow top and bunch grass. Fair grazing.</p>
	<p>-----</p> <p>Subdivision of T. 19 S., R. 13 E</p>
	<p>From the cor. of secs. 1, 2, 35 and 36, on S. bdy. of Tp., heretofore described; thence N. 0° 01' W., bet. secs. 35 and 36.</p>
	<p>Descend gradually over E. slope, through a few scatter- ing scrub juniper; and scattering bitter brush, yellow top and bunch grass.</p>
0.99	<p>From this point, the SW. cor. of oil permit of Charles H. White, No. 026842, which is a a juniper post, 6 ins. diam., marked SW COR 026842 C W on NE. face, bears W. 17 lks. dist.</p>
3.60	<p>Rim of canyon, 20 ft. below sec. cor., brs: NE. and SW.; abrupt descent over N. slope.</p>
21.40	<p>Bottom of canyon, 300 ft. below rim, course NE.; ascend S. slope.</p>
32.50	<p>Rim of canyon, 210 ft. above bottom, brs: NE. and SW.; gradual descent over rolling top.</p>

Subdivision of T. 19 S., R. 13 E.

Chains

- 38.40 Rim of ravine, brs. NE. and SW.; abrupt descent.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
 S35 | S36
 1923.

Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high W. of cor.
 Cor. stands on steep N. slope 75 ft. below rim of ravine.

- 43.50 Ravine, 75 ft. below $\frac{1}{4}$ sec. cor., course NE.; asc. S. slope.

- 52.75 Spur, 100 ft. above ravine, projects E.; desc. N. slope.

- 64.25 Ravine, 130 ft. below spur, course NE.; asc.

- 72.30 Spur, 25 ft. above ravine, projects E.; desc.

- 80.00 In bottom of rocky ravine, 45 ft. below spur, course S. 80° E. Impracticable to set cor. monument at this point, therefore at a point N. 0° 01' W., 1.00 chs. dist.
 Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to solid rock and 15 ins. in a mound of stone for witness cor. to the cor. of secs. 25, 26, 35 and 36, with brass cap marked.

T19S R13E
 S 26 | S 25
 S 35 | S 36
 WC

1923

Deposit a sandstone, 12 x 8 x 4 ins., marked with a cross, at base of post.

Land, mountainous; drainage NE.

Soil, rocky, sandy and clay loam; 4th rate.

Timber, a few scattering scrub juniper.

Undergrowth, scattering bitter brush, yellow top and bunch grass. Fair grazing.

 From true point for cor. of secs. 25, 26, 35 and 36. East, on a random line bet. secs. 25 and 36.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.

- 79.90 Intersect E. bdy. of Tp., 3 lks. N. of the cor. of secs.

volley

Subdivision of T. 19 S., R. 13 E.

Chains

25, 30, 31 and 36, for description of which see the notes of T. 19 S., R. 14 E.; thence

N. 89° 59' W., on a true line bet. secs. 25 and 36.

Descend NW. slope over mountainous land, through a few scattering scrub juniper and scattering sage and bitter brush and bunch grass.

11.20 Gulch, 45 ft. below sec. cor., course S.; ascend.

13.80 Spur, 30 ft. above gulch, projects S.; descend.

31.90 Gulch, 100 ft. below spur, course S.; ascend.

39.95 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked.

S 25
 $\frac{1}{4}$ S 36

1923

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.

Cor. stands on spur, 100 ft. above gulch, projects S.; descend.

51.10 Road, brs. NW. and SE.

51.70 Saleratus Wash, in canyon, 135 ft. below spur, course SE.; ascend.

73.70 Spur, 140 ft. above Saleratus Wash, projects NE.; desc.

77.30 Ravine, 35 ft. below spur, course NE.; thence along N. side of ravine.

79.90 The true point for the cor. of secs. 25, 26, 35 and 36, in bottom of ravine.

Land, mountainous.

Soil, rocky, sandy and clay loam; 3rd and 4th rate.

Timber, a few scattering scrub juniper.

Undergrowth, scattering sage and bitter brush and bunch grass. Fair grazing.

From true point for the cor. of secs. 25, 26, 35 and 36.

N. 0° 01' W., bet. secs. 25 and 26.

Ascend over mountainous land, through scattering scrub juniper and pinon, and scattering bitter brush, yellow

Subdivision of T. 19 S., R. 13 E.

Chains

- top and bunch grass.
- 1.00 The witness cor. to the cor. of secs. 25, 26, 35 and 36.
- 8.00 Spur, 20 ft. above ravine, projects SE.; descend.
- 13.50 Junction of ravine, draining from the W., with Saleratus wash, in canyon, draining from N.10°E., to the SE., 110 ft. below spur; ascend along W. side of canyon.
- 25.00 Top of ascent on W. side of canyon, 70 ft. above bottom, slopes E.; descend.
- 30.00 Gulch, 50 ft. below top of ascent, course E.; ascend.
- 32.00 Top of ascent, 20 ft. above gulch, slopes E.; descend.
- 38.40 Saleratus Wash, 1 ch. wide, 4 ft. deep, in canyon, 20 ft. below top of ascent, course SE.; ascend.
- 40.00 True point for $\frac{1}{4}$ sec. cor. is subject to over flow of flood water of Saleratus Wash, therefore impracticable to set cor. monument at this point.
- 41.20 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for witness cor. to the $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S26 | S25
3C
1923

- Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
- 43.70 Road, brs. NW. and SE.
- 53.00 Spur, 90 ft. above Saleratus Wash, projects SW.; desc.
- 62.50 Gulch, 90 ft. below spur, course SW.; ascend.
- 70.40 Spur, 110 ft. above gulch, projects SW.; descend.
- 72.90 Gulch, 30 ft. below spur, course SW.; ascend.
- 78.50 Spur, 75 ft. above gulch, projects SW.; desc. NW. slope.
- 80.00 On sandstone outcropping, mark a cross at cor. point and over cross
- Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in a mound of stone, for the cor. of secs. 23, 24, 25 and 26, with brass cap marked

T19S R13E
S 23 | S 24
S 26 | S 25
1923

Subdivision of T. 19 S., R. 13 E.

Chains	
	<p>Cor. stands on NW. slope, 10 ft. below spur.</p> <p>Land, mountainous.</p> <p>Soil, rocky, sandy and clay loam; 3rd and 4th rate.</p> <p>Timber, scattering scrub juniper and pinon.</p> <p>Undergrowth, scattering bitter brush, yellow top and bunch grass. Fair grazing.</p> <p>-----</p> <p>S. 89° 59'E., on a random line bet. secs. 24 and 25.</p>
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.98	<p>Intersect E. bdy. of Tp., 3 lks. S. of the cor. of secs. 19, 24, 25 and 30, for description of which see the notes of T. 19 S., R. 14 E.; thence</p> <p>West, on a true line bet. secs. 24 and 25.</p> <p>Ascend E. slope, over mountainous land, through a few scattering scrub juniper and scattering bitter brush and bunch grass.</p>
4.00	Ridge, 60 ft. above sec. cor., brs. N.10°W., and S.10°E.; descend W. slope.
12.50	Head of gulch, 170 ft. below ridge, course SW.; ascend.
14.70	Spur, 25 ft. above gulch, projects SW.; descend.
20.05	<p>From this point, cor. No. 2 of oil permit of Wm. McPherson Fitzhugh, No. 026477, which is a post, 4 x 4 ins., 8 ft. long set in a mound of stone and marked COR No 2 - 026477 on E. face and W M F on W. face bears S. 11 lks. dist.</p>
39.99	<p>Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked</p> <div style="text-align: center;"> $\begin{array}{r} S\ 24 \\ \frac{1}{4} \\ \hline S\ 25 \end{array}$ </div> <p>1923</p>
	<p>Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.</p> <p>Cor. stands on steep NW. slope, 280 ft. below spur.</p>
55.25	<p>Wash, 10 lks. wide, 2 ft. deep, in gulch, 140 ft. below $\frac{1}{4}$ sec. cor., course W., from the N.; thence along wash.</p>
63.00	<p>Leave wash, course NW., from the E.; thence along S.</p>

Subdivision of T. 19 S., R. 13 E.

Chains

side of gulch.

66.40 Wash, 20 lks. wide, 2 ft. deep, in gulch, course SW.;
ascend SE. slope.

77.00 Spur, 70 ft. above wash, projects SW.; descend.

79.98 The cor. of secs. 23, 24, 25 and 26.

Land, mountainous; drainage SW.

Soil, rocky, sandy and clay loam; 4th rate.

Timber, a few scattering scrub juniper.

Undergrowth, scattering bitter brush and bunch grass.

Fair grazing.

N.0° 01' W., bet. secs. 23 and 24.

Descend over rough mountainous land, through a few
scattering scrub juniper and pinon, and scattering
bitter brush, yellow top and bunch grass.

3.90 Gulch, 55 ft. below sec. cor., course SW.; ascend.

11.70 Spur, 115 ft. above gulch, projects SW.; descend.

16.70 Head of gulch, 10 ft. below spur, course SW.; ascend.

20.19 From this point, NW. cor. of oil permit of Charles H.
White, No. 026842, which is a post, 4 x 4 ins., 4 ft.
long, set in a mound of stone, and marked NW COR 026842
on NE. face, bears W. 13 lks. dist.

SE. cor. of oil permit of Gaillard Stoney, No. 026892,
which is a post, 4 x 4 ins., 5 ft. long, set in a
mound of stone and marked on NE. face, SE COR 026892,
bears W. 3.23 chs. dist.

29.00 Spur, 90 ft. above gulch, projects SW.; descend.

34.20 Head of gulch, 15 ft. below spur, course SW.; ascend.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in
the ground to solid rock and 21 ins. in a mound of
stone for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S23 | S24
1923

Subdivision of T. 19 S., R. 13 E.

Chains

Deposit a sandstone, 10 x 8 x 6 ins., marked with a cross at base of post.

48.85 Spur, 65 ft. above gulch, projects SW.; descend.

53.90 Head of gulch, 10 ft. below spur, course SW.; ascend.

63.10 Spur, 35 ft. above gulch, projects SW.; descend.

66.90 Gulch, 25 ft. below spur, course SW.; ascend.

77.40 Spur, 35 ft. above gulch, projects SW.; descend.

80.00 On NW. slope of spur, 15 ft. below top

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground for the cor. of secs. 13, 14, 23 and 24, with brass cap marked

T19S	R13E
S 14	S 13
S 23	S 24
1923	

Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.

Land, mountainous; drainage SW.

Soil, rocky, sandy and clay loam; 4th rate.

Timber, a few scattering scrub juniper and pinon.

Undergrowth, scattering bitter brush, yellow top and bunch grass. Fair grazing.

East, on a random line bet. secs. 13 and 24.

40.00 Set temp. ½ sec. cor.

80.01 Intersect E. bdy. of Tp., 14 lks. N. of the true point for the cor. of secs. 13, 18, 19 and 24, for description of which see the notes of T. 19 S., R. 14 E.; thence

N. 89° 54' W., on a true line bet. secs. 13 and 24.

Ascend over mountainous land, through scattering scrub juniper and pinon, and scattering shadscale, bitter brush and bunch grass.

4.00 Top of ascent, 20 ft. above true sec. cor. point, slopes SW.; descend.

7.15 Wash, 20 lks. wide, 3 ft. deep, course SE. 10 ft. below top of ascent; thence along N. side of gulch.

Subdivision of T. 19 S., R. 13 E.

Chains	
13.50	Wash, 20 lks. wide, 2 ft. deep, course S.80°E.; thence along S. side of gulch.
19.40	Recross wash, course NE.; ascend E. slope.
32.40	Ridge, 300 ft. above wash, brs. N. and S.; descend W. slope.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\begin{array}{r} \frac{1}{4} \text{ S } 13 \\ \hline \text{S } 24 \end{array}$
	1923
	Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high N. of cor. Cor. stands at foot of W. slope, 275 ft. below ridge. Descend gradually along N. slope.
55.50	Head of draw, 40 ft. below $\frac{1}{4}$ sec. cor., course NW.; asc.
58.40	Low divide, 10 ft. above draw, brs. NW. and SE.; desc.
66.20	Head of gulch, 10 ft. below divide, course SE.; ascend.
71.00	Ridge, 65 ft. above gulch, brs. N. and S.; descend.
72.70	Draw, 10 ft. below ridge, course SW.; ascend.
77.70	Spur, 10 ft. above draw, projects SW.; descend.
80.01	The cor. of secs. 13, 14, 23 and 24, 20 ft. below spur. Land, mountainous.
	Soil, rocky, sandy and clay loam; 3rd and 4th rate.
	Timber, a few scattering scrub juniper and pinon.
	Undergrowth, scattering shadscale, bitter brush and bunch grass. Fair grazing.

	N.0° 01' W., bet. secs. 13 and 14.
	Descend over mountainous land, through a few scattering scrub juniper and pinon, and scattering shadscale, bitter brush, yellow top and bunch grass.
6.80	Gulch, 50 ft. below sec. cor., course SW.; ascend.
10.60	Spur, 50 ft. above gulch, projects SW.; descend along W. slope.
29.00	Low divide, 75 ft. below spur, brs. E. and W.; desc.

Subdivision of T. 19 S., R. 13 E.

Chains

- 34.15 Head of gulch, 10 ft. below divide, course NW.;
 39.00 Top of knoll, 10 ft. above gulch; descend N. slope.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in
 the ground for $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$
 S14 | S13
 1923

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
 Cor. stands at foot of knoll, 10 ft. below top, brs.
 E. and W.; thence over gradual W. slope.

- 62.30 Wash, 50 lks. wide, 4 ft. deep, 35 ft. below $\frac{1}{4}$ sec. cor.
 course N. 80° W.
 75.90 Wash, 20 lks. wide, 4 ft. deep, course S. 80° W.; thence
 along gradual E. slope.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in
 the ground for the cor. of secs. 11, 12, 13 and 14,
 with brass cap marked

T19S | R13E
 S 11 | S 12
 S 14 | S 13
 1923

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
 Land, mountainous.
 Soil, rocky, sandy and clay loam; 3rd and 4th rate.
 Timber, a few scattering scrub juniper and pinon.
 Undergrowth, scattering shadscale, bitter brush, yellow
 top and bunch grass. Fair grazing.

- S. 89° 54' E., on a random line bet. secs. 12 and 13.
 80.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.08 Intersect E. bdy. of Tp. 5 lks. N. of the cor. of secs.
 7, 12, 13 and 18, for description of which see the
 notes of T. 19 S., R. 14 E.; thence
 N. 89° 52' W., on a true line bet. secs. 12 and 13.
 Descend gradual NW. slope over mountainous land, through

Subdivision of T. 19 S., R. 13 E.

	a few scattering scrub juniper, and scattering shadscale, yellow top and bunch grass.
5.00	Gulch, 15 ft. below sec. cor., course NE.; ascend.
13.30	Ridge, 90 ft. above gulch, brs. N.20°W. and S.20°E.; descend.
21.00	Foot of ridge, 200 ft. below top, brs. NW. and SE.; thence over rolling land.
22.30	Wash, 20 lks. wide, 5 ft. deep, course S.70°W.
25.70	From this point the oil rig of Utah Oil and Refinery Co. bears N. 15° E., 4.04 chs. dist.
40.04	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\begin{array}{r} .3 \ 12 \\ \frac{1}{4} \overline{) \quad} \\ S \ 13 \end{array}$
	1923
	Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high N. of cor.
49.50	Wash, 20 lks. wide, 4 ft. deep, course S.50°W.
57.25	Wash, 20 lks. wide, 2 ft. deep, course SW.
59.50	Foot of ridge, brs. NE. and SW.; ascend SE. slope.
62.50	Ridge, 100 ft. above foot, brs. N.20°E., and S.20°W.; descend W. slope.
77.00	Wash, 20 lks. wide, 4 ft. deep, 120 ft. below ridge, course S.; thence over rolling land.
80.08	The cor. of secs. 11, 12, 13 and 14. Land, rolling and mountainous. Soil, rocky, sandy and clay loam; 3rd and 4th rate. Timber, a few scattering scrub juniper. Undergrowth, scattering shadscale, yellow top and bunch grass. Fair grazing.

	N.0° 01' W., bet. secs. 11 and 12. Ascend gradual E. slope over mountainous land, through a few scattering scrub juniper and pinon, and scattering shadscale, yellow top and bunch grass.
24.00	Low divide, 50 ft. above sec. cor., brs. E. and W.; desc.

Subdivision of T. 19 S., R. 13 E.

Chains

- 29.00 Head of draw, 20 ft. below divide, course N.10°E.; asc.
 34.00 Top of ascent, 20 ft. above draw, slopes E.; descend.
 40.00 True point for $\frac{1}{4}$ sec. cor, falls on large conglomerate
 boulder. Impracticable to set post at this point.
 40.20 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in
 the ground for witness cor. to $\frac{1}{4}$ sec. cor., with brass
 cap marked

$\frac{1}{4}$
 S11 | S12
 WC
 1923

- Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
 47.35 Wash, 10 lbs. wide, 2 ft. deep, 70 ft. below top of
 ascent, course N.10°E.; ascend.
 58.00 Spur, 60 ft. above wash, projects E.; descend.
 69.80 Recross wash, 110 ft. below spur, course N.10°W.; asc.
 72.75 Top of ascent on point of spur, 5 ft. above wash,
 slopes SW.; descend..
 76.90 Recross wash, 45 ft. below top of ascent, course N.20°E.
 ascend.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in
 the ground to solid rock and 7 ins. in a mound of
 stone for the cor. of secs. 1, 2, 11 and 12, with
 brass cap marked

T19S | R13E
 S 2 | S 1
 S11 | S12
 1923

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
 Cor. stands on E. slope at top of ascent, 40 ft. above
 wash.

Land, rolling and mountainous.

Soil, rocky, sandy and clay loam; 3rd and 4th rate.

Timber, a few scattering scrub juniper and pinon.

Undergrowth, scattering shadscale, yellow top and bunch
 grass. Fair grazing.

Subdivision of T. 19 S., R. 13 E.

Chains

- S. $89^{\circ} 52'$ E., on a random line bet. secs. 1 and 12.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.04 Intersect E. bdy. of Tp., 5 lks. N. of the cor. of secs. 1, 6, 7 and 12, for description of which see the notes of T. 19 S., R. 14 E.; thence N. $89^{\circ} 50' W.$, on a true line bet. secs. 1 and 12. Ascend gradually over rolling E. slope, through a few scattering scrub juniper and scattering shadscale, bitter brush, yellow top and bunch grass.
- 3.00 Road, brs. S. $85^{\circ} E.$ and NW.
- 7.50 Wash, 10 lks. wide, 3 ft. deep, course NE.
- 22.25 Wash, 10 lks. wide, 2 ft. deep, course NE.
- 27.65 Low divide, 100 ft. above sec. cor., brs. N. $20^{\circ} E.$ and S. $20^{\circ} W.$; descend.
- 28.00 Road, brs. NE. and SW.
- 30.80 Draw, 25 ft. below divide, course N.; thence over rolling land; descending gradually.
- 40.02 Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to solid rock and 9 ins. in a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap marked
- $$\begin{array}{r} S\ 1 \\ \hline \frac{1}{4} \\ S\ 12 \end{array}$$

1923
- Raise a mound of stone, 2 ft. base, 12 ft. high N. of cor.
- 43.30 Wash, 20 lks. wide, 4 ft. deep, course N.
- 63.50 Wash, 20 lks. wide, 4 ft. deep, 130 ft. below divide, course N. $30^{\circ} W.$; ascend.
- 67.75 Spur, 50 ft. above wash, projects N.; descend.
- 70.75 Gulch, 50 ft. below spur, course N.; ascend.
- 73.00 Spur, 80 ft. above gulch, projects N.; descend.
- 78.50 Gulch, 100 ft. below spur, course N.; ascend.
- 80.04 The cor. of secs. 1, 2, 11 and 12, on E. slope, 35 ft. above gulch.
- Land, rolling and mountainous.
- Soil, rocky, sandy and clay loam; 3rd rate.

Subdivision of T. 19 S., R. 13 E.

Chains

Timber, a few scattering scrub juniper.

Undergrowth, scattering shadscale, bitter brush, yellow top and bunch grass. Fair grazing.

N.0° 01'W., on a random line bet. secs. 1 and 2.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

68.26 Intersect N. bdy. of Tp., 4 lks. W. of the cor. of secs. 1 and 2, heretofore described; thence

S, 0° 01'W., on true line bet. secs. 1 and 2.

Ascend gradually along W. side of ravine, over mountainous land, through scattering scrub juniper, and scattering shadscale, bitter brush, yellow top and bunch grass.

3.25 Bottom of ravine, course N.30°E.; thence along E. side of ravine.

16.50 Recross ravine, course NW.; ascend.

18.25 Rocky point, 40 ft. above ravine, slopes E.; descend.

20.60 Recross ravine, 10 ft. below rocky point, course NE.; ascend.

23.32 From this point cor. of oil permit of Rufus C. Hill, No. 027416, which is a post, 4 x 4 ins., 5 ft. long, set in mound of stone and marked NW COR N $\frac{1}{2}$ SW $\frac{1}{4}$ SEC 1 T19SR13E SIM R C Hill oil claim No 027416, bears W. 24 lks. dist.

28.26 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to solid rock and 21 ins. in a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S2 | S1
1923

Deposit a sandstone, 6 x 4 x 4 ins., marked with a cross at base of post.

37.50 Head of ravine, course NW.; continue ascent.

42.50 Low divide, 70 ft. above ravine, brs. E. and W.; descend.

43.13 From this point, cor. of oil permit of Rufus C. Hill,

Subdivision of T. 19 S., R. 13 E.

Chains

No. 027416, which is a post, 4 x 4 ins., 5 ft. long, set in a mound of stone and marked SW COR N $\frac{1}{2}$ SW $\frac{1}{4}$ SEC 1 & SW COR of R.C Hill claim No. 027416, bears W. 23 lks. dist.

60.00 Ravine, 150 ft. below divide, course W.; ascend.

68.26 The cor. of secs. 1, 2, 11 and 12, on E. slope, 60 ft. above ravine.

Land, rolling and mountainous.

Soil, rocky, sandy and clay loam; 3rd and 4th rate.

Timber, a few scattering scrub juniper.

Undergrowth, scattering shadscale, bitter brush, yellow top and bunch grass. Fair grazing.

From the cor. of secs. 2, 3, 34 and 35 on S. bdy. of Tp. heretofore described; thence

N.0° 01'W., bet. secs. 34 and 35.

Over rolling land, through scattering scrub juniper and pinon, and scattering shadscale, bitter brush and bunch grass.

9.40 Wash, 10 lks. wide, 3 ft. deep, course SE.

22.00 Foot of ridge, brs. NW. and SE.; ascend over mountainous land.

27.50 Ridge, 180 ft. above foot, brs. N.80°W. and S.80°E.; descend.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to solid rock and 17 ins. in a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S34 | S35
1923

Deposit a sandstone, 6 x 4 x 4 ins., marked with a cross at base of post.

46.10 Gulch, 30 ft. below ridge, course SE.; ascend.

52.50 Spur, 50 ft. above gulch, projects E.; descend.

Subdivision of T. 19 S., R. 13 E.

Chains							
62.00	Draw, 35 ft. below spur, course NE.; thence along E. slope.						
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground for the cor. of secs: 26, 27, 34 and 35, with brass cap marked						
	<table> <tr> <td>T19S</td><td>R13E</td></tr> <tr> <td>S 27</td><td>S 26</td></tr> <tr> <td>S 34</td><td>S 35</td></tr> </table> <p>1923</p>	T19S	R13E	S 27	S 26	S 34	S 35
T19S	R13E						
S 27	S 26						
S 34	S 35						
	From which						
	A pinon, 12 ins. diam., brs. S. 31°W., 38 lks. dist. marked T 19 S R 13 E S 34 B T.						
	A pinon 14 ins. diam., brs. N. 54°W., 89 lks. dist., marked T 19 S R 13 E S 27 B T.						
	No other suitable bearing trees available. Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor. Land, rolling and mountainous.						
	Soil, rocky and sandy and clay loam; 2nd, 3rd and 4th rate.						
	Timber, a few scattering scrub juniper and pinon.						
	Undergrowth, scattering shadscale, bitter brush and bunch grass. Fair grazing.						

	East, on a random line bet. secs. 26 and 35.						
40.00	Set temp. ¼ sec. cor.						
80.05	Intersect N. and S. line, 7 lks. N. of the true point for the cor. of secs. 25, 26, 35 and 36; thence N. 89° 57'W., on a true line bet. secs. 26 and 35.						
	Along S. side of gully, over mountainous land, through scattering scrub juniper and pinon, and scattering shadscale, bitter brush, yellow top and bunch grass.						
5.20	Cross bottom of gulch, course NE.; ascend SE. slope.						
32.00	Spur, 245 ft. above gulch, projects N.; descend W. slope.						
36.20	Ravine, 70 ft. below spur, course NE.; ascend.						
40.02½	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in						

Subdivision of T. 19 S., R. 13 E.

Chains

the ground for $\frac{1}{4}$ sec. cor., with brass cap marked .

$$\begin{array}{r} \frac{1}{4} \text{ S } 26 \\ \hline \text{S } 35 \end{array}$$

1923

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.

54.50 Spur, 115 ft. above ravine, projects N. descend.

62.25 Ravine, 90 ft. below spur, course NE.; ascend E. slope.

80.05 The cor. of secs. 26, 27, 34 and 35, on E. slope, 125 ft. above ravine.

Land, mountainous; drainage NE.

Soil, rocky, sandy and clay loam; 4th rate.

Timber, a few scattering scrub juniper and pinon.

Undergrowth, scattering shadscale, bitter brush, yellow top and bunch grass. Fair grazing.

N. 0° 01' W., bet. secs. 26 and 27...

Descend over mountainous land, through scattering scrub juniper and pinon and scattering shadscale, bitter brush, yellow top and bunch grass.

11.40 Wash, 20 lks. wide, 2 ft. deep, in draw, 10 ft. below sec. cor., course SE.; ascend.

25.00 Low ridge, 30 ft. above wash, brs. E. and W.; descend.

38.00 Head of ravine, 40 ft. below ridge, course NW.; ascend.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked .

$$\begin{array}{r} \frac{1}{4} \\ \hline \text{S } 27 \text{ | } \text{S } 26 \end{array}$$

1923

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.

46.00 Spur, 55 ft. above ravine, projects W.; descend.

51.00 Ravine, 35 ft. below spur, course NW.; ascend.

55.40 Spur, 35 ft. above ravine, projects W.; descend.

66.50 Recross ravine, 170 ft. below spur, course NE.; ascend.

70.00 Spur, 10 ft. above ravine, slopes E.; descend.

Subdivision of T. 19 S., R. 13 E.

Chains							
80.00	True point for sec. cor. falls on sandstone outcropping at which point mark a cross and over cross Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in a mound of stone for the cor. of secs. 22, 23, 26 and 27, with brass cap marked						
	<table> <tr> <td>T19S</td><td>R13E</td></tr> <tr> <td>S 22</td><td>S 23</td></tr> <tr> <td>S 27</td><td>S 26</td></tr> </table>	T19S	R13E	S 22	S 23	S 27	S 26
T19S	R13E						
S 22	S 23						
S 27	S 26						
	1923						
	Cor. stands on N. slope of spur, 45 ft. below top.						
	Land, rough and mountainous.						
	Soil, rocky, sandy and clay loam; 4th rate.						
	Timber, a few scattering scrub juniper and pinon.						
	Undergrowth, scattering shadscale, bitter brush, yellow top and bunch grass. Fair grazing.						

	S. 89° 57' E., on a random line bet. secs. 23 and 26.						
40.00	Set temp. $\frac{1}{4}$ sec. cor.						
79.96	Intersect N. and S. line at the cor. of secs. 23, 24, 25 and 26; thence						
	N. 89° 57' W., on a true line bet. secs. 23 and 26.						
	Descend over mountainous land, through a few scattering scrub juniper and pinon, and scattering bitter brush, yellow top and bunch grass.						
4.50	Gulch, 20 ft. below sec. cor., course S.; ascend.						
6.00	Spur, 40 ft. above gulch, projects S.; descend.						
16.20	Road, brs. NW. and SE.						
20.50	Wash, 20 lks. wide, 4 ft. deep, in gulch, 90 ft. below spur, course S.; ascend.						
26.00	Spur, 20 ft. above wash, projects S.; descend.						
27.90	Saleratus wash, 1 ch. wide, 5 ft. deep, in canyon, 20 ft. below spur, course SE.; ascend.						
37.00	Spur, 155 ft. above Saleratus wash, projects N.; descend.						
38.00	Bottom of Saleratus canyon, 110 ft. below spur, brs. NE. and S. 80° W.; thence along S. side of canyon.						

Subdivision of T. 19 S., R. 13 E.

Chains

- 39.98 On S. edge of Saleratus wash, which drains NE. from N.80°W. Impracticable to set post at this point.
- 42.31 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for witness cor. to $\frac{1}{4}$ sec. cor., with brass cap marked
- $$\frac{1}{4} \frac{S \ 23}{S \ 26} WC$$
 1923
- 61.80 Mouth of ravine, course NW. from the SW.; ascend over ledges.
- 66.75 Top of ledge and point of spur, 70 ft. above ravine, projects N.; abrupt descent.
- 72.10 Saleratus wash, in canyon, 70 ft. below spur, course NE. from the NW.; ascend.
- 79.96 The cor. of secs. 22, 23, 26 and 27, 100 ft. above Saleratus wash.
- Land, rough and mountainous.
- Soil, rocky, sandy and clay loam; 3rd and 4th rate.
- Timber, a few scattering scrub juniper and pinon.
- Undergrowth, scattering bitter brush, yellow top and bunch grass. Fair grazing.
-
- N.0° 01'W., bet. secs. 22 and 23.
- Descend rocky slope over mountainous land, through a few scattering scrub juniper and pinon, and scattering shadscale, bitter brush, yellow top and bunch grass.
- 17.90 Saleratus wash, 2 chs. wide, 4 ft. deep, in canyon, 110 ft. below sec. cor., course SE.; ascend S. slope.
- 22.15 Road, b'rs. NW. and SE.
- 40.00 On sandstone outcropping on which mark a cross and over the cross
- Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in a mound of stone, for the $\frac{1}{4}$ sec. cor., with brass cap marked

Subdivision of T. 19 S., R. 13 E.

Chains

$\frac{1}{2}$
 S22 | S23
 1923

Cor. stands on rocky S. slope, 130 ft. above Saleratus wash.

59.00 Ridge, 300 ft. above $\frac{1}{2}$ sec. cor., brs. NW. and SE.; descend.

68.00 Head of draw, 50 ft. below ridge, course NE.; ascend.

71.00 Spur, 45 ft. above draw, projects NE.; descend.

79.90 Ravine, 110 ft. below spur, course E.; ascend.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground for the cor. of secs. 14, 15, 22 and 23, with brass cap marked

T19S | R13E
 S 15 | S 14
 S 22 | S 23
 1923

Raise a mound of stone, 2 ft. base, 1 ft. high W. of cor. Land, mountainous.

Soil, rocky, sandy, and clay loam; 4th rate.

Timber, a few scattering scrub juniper and pinon.

Undergrowth, scattering shadscale, bitter brush, yellow top and bunch grass. Fair grazing.

S. 89° 57'E., on a random line bet. secs. 14 and 23.

40.00 Set temp. $\frac{1}{2}$ sec. cor.

79.88 Intersect N. and S. line 12 lks. N. of the cor. of secs. 13, 14, 23 and 24; thence

N. 89° 52'W., on a true line bet. secs. 14 and 23.

Descend over mountainous land, through a few scattering scrub juniper and pinon, and scattering sagebrush, shadscale, and bunch grass.

16.10 Ravine, 100 ft. below sec. cor., course S.; ascend.

22.20 Ridge, 150 ft. above ravine, brs. N. and S.; descend gradual W. slope.

Subdivision of T. 19 S., R. 13 E.

Chains

39.94

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$ S 14
S 23

1923

Dig pits, 18 x 18 x 12 ins., E. and W. of post, 3 ft. dist. No stone or suitable bearing trees available.

41.40

Ravine, 35 ft. below ridge, course SE.; ascend gradual E. slope.

70.00

Spur, 85 ft. above ravine, projects NE.; descend.

75.90

Recross ravine, 35 ft. below spur, course NE.; ascend.

79.88

The cor. of secs. 14, 15, 22 and 23, 10 ft. above ravine. Land, rolling and mountainous.

Soil, rocky, sandy and clay; 3rd and 4th rate.

Timber, a few scattering scrub juniper and pinon.

Undergrowth, scattering sagebrush, shadscale and bunch grass. Fair grazing.

N.0° 01' W., bet. secs. 14 and 15.

Ascend over mountainous land, through a few scattering scrub juniper and scattering shadscale, bitter brush yellow top and bunch grass.

3.00

Spur, 35 ft. above sec. cor., projects E.; descend.

13.50

Ravine, 50 ft. below spur, course SE.; ascend.

23.00

Spur, 65 ft. above ravine, projects SE.; descend.

39.80

Ravine, 80 ft. below spur, course E.; ascend gradual S. slope.

40.00

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S15 | S14

1923

Dig pits, 18 x 18 x 12 ins., N. and S. of post, 3 ft. dist. No suitable bearing trees or stone available.

59.00

Spur, 45 ft. above ravine, projects E.; descend gradual

Subdivision of T. 19 S., R. 13 E.

Chains							
	NE. slope.						
80.00	On solid sandstone outcropping, mark a cross and over cross						
	Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in a mound of stone for the cor. of secs. 10, 11, 14 and 15, with brass cap marked						
	<table> <tr> <td>T19S, R13E</td><td></td></tr> <tr> <td>S 10</td><td>S 11</td></tr> <tr> <td>S 15</td><td>S 14</td></tr> </table>	T19S, R13E		S 10	S 11	S 15	S 14
T19S, R13E							
S 10	S 11						
S 15	S 14						
	1923						
	Cor. stands on gradual NE. slope, 35 ft. below spur.						
	Land, mountainous.						
	Soil, shallow rocky, sandy and clay loam; 3rd and 4th rate.						
	Timber, a few scattering scrub juniper and pinon.						
	Undergrowth, scattering shadscale, bitter brush, yellow top and bunch grass. Fair grazing.						

	S. 89° 52'E., on a random line bet. secs. 11 and 14.						
40.00	Set temp. $\frac{1}{4}$ sec. cor.						
79.90	Intersect N. and S. line, 9 lks. N. of the cor. of secs. 11, 12, 13 and 14; thence						
	N. 89° 48'W., on a true line bet. secs. 11 and 14.						
	Over rolling land, through a few scattering scrub juniper, and scattering shadscale, bitter brush, yellow top and bunch grass.						
3.60	Foot of ridge, brs. N. and S.; ascend E. slope.						
7.00	Ridge, 200 ft. high, brs. N. and S.; descend gradual W. slope.						
27.20	Wash, 20 lks. wide, 4 ft. deep, course NE.						
28.00	Ravine, 150 ft. below ridge, course NE.; ascend.						
35.00	Spur, 50 ft. above ravine, projects N.20°E.; descend.						
38.90	As the true point for $\frac{1}{4}$ sec. cor. falls in wash, at this point						
	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in						

Subdivision of T. 19 S., R. 13 E.

Chains

the ground for witness cor. to $\frac{1}{4}$ sec. cor., with brass cap marked

WC $\frac{1}{4}$ $\frac{S 11}{S 14}$

1923

- 39.95 Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor. Wash, 10 lks. wide, 2 ft. deep, in ravine, 50 ft. below spur, course NE. Point for $\frac{1}{4}$ sec. cor. Cor. not set. Ascend gradual E. slope.
- 40.00 Top of ascent, 110 ft. above ravine, slopes S.; descend.
- 66.20 Recross wash in ravine, 25 ft. below top of ascent, course SE.; ascend gradual E. slope.
- 79.90 The cor. of secs. 10, 11, 14 and 15, on gradual E. slope, 90 ft. above ravine.
- Land, rolling and mountainous.
- Soil, rocky, sandy and clay loam; 3rd and 4th rate.
- Timber, a few scattering scrub juniper.
- Undergrowth, scattering shadscale, bitter brush, yellow top and bunch grass. Fair grazing.

N.0° 01'W., bet. secs. 10 and 11.

Descend gradually over rolling NE. slope, through a few scattering scrub juniper and pinon, and scattering shadscale, bitter brush, yellow top and bunch grass.

- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 7 ins. in the ground to solid rock and 20 ins. in a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S10 | S11

1923

Deposit a sandstone, 8 x 8 x 4 ins., marked with a cross at base of post.

Cor. stands on gradual NE. slope, 35 ft. below sec. cor.

- 41.40 Rim, brs. E. and W.; abrupt descent.

- 44.90 Ravine, 80 ft. deep, course E.; ascend.

Subdivision of T. 19 S., R. 13 E.

Chains							
48.25	Rim, brs. E. and W.; ascend gradually.						
51.00	Spur, 70 ft. above ravine, projects E.; descend						
65.40	Gulch, 60 ft. below spur, course NE.; ascend.						
71.30	Spur, 50 ft. above gulch, projects NE.; descend.						
75.70	Gulch, 45 ft. below spur, course E.; ascend.						
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground to solid rock and 21 ins. in a mound of stone for the cor. of secs. 2, 3, 10 and 11, with brass cap marked						
<table border="1"> <tr> <td>T19S</td><td>R13E</td></tr> <tr> <td>S 3</td><td>S 2</td></tr> <tr> <td>S 10</td><td>S 11</td></tr> </table> <p>1923</p>		T19S	R13E	S 3	S 2	S 10	S 11
T19S	R13E						
S 3	S 2						
S 10	S 11						
	Deposit a sandstone, 10 x 5 x 4 ins., marked with a cross at base of post.						
	Land, rolling and mountainous.						
	Soil, shallow rocky, sandy and clay loam; 3rd and 4th rate.						
	Timber, a few scattering scrub juniper and pinon.						
	Undergrowth, scattering shadscale, bitter brush, yellow top and bunch grass. Fair grazing.						

	S. 89° 48' E., on a random line bet. secs. 2 and 11.						
40.00	Set temp. $\frac{1}{4}$ sec. cor.						
80.05	Intersect N. and S. line, 14 lks. S. of the cor. of secs. 1, 2, 11 and 12; thence						
	N. 89° 54' W., on a true line bet. secs. 2 and 11.						
	ascend over mountainous land, through a few scattering scrub juniper and pinon, and scattering sage and bitter brush and bunch grass.						
7.50	Ridge, 100 ft. above sec. cor., brs. N. and S.; descend W. slope.						
20.00	Foot of ridge, 135 ft. below top, brs. N. and S.; thence over rolling bottom of ravine.						
23.25	Wash, 1 ch. wide, 4 ft. deep, course N.						

Subdivision of T. 19 S., R. 13 E.

Chains

- 35.00 Ascend over broken mountainous land, leaving ravine, brs. N. and S.
- 40.02 $\frac{1}{2}$ Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to solid rock and 17 ins. in a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap marked
- $$\begin{array}{r} S \ 2 \\ \frac{1}{4} \text{ --- } \\ S \ 11 \end{array}$$
- 1923
- Deposit a sandstone, 12 x 5 x 4 ins., marked with a cross at base of post.
- 49.50 Spur, 90 ft. above ravine, projects N.; descend.
- 52.00 Gulch, 25 ft. below spur, course NE.; ascend.
- 80.05 The cor. of secs. 2, 3, 10 and 11, 145 ft. above gulch. Land, rolling and mountainous.
- Soil, rocky, sandy and clay loam; 3rd and 4th rate.
- Timber, a few scattering scrub juniper and pinon.
- Undergrowth, scattering sage and bitter brush and bunch grass. Fair grazing.
-
- N. 0° 01' E., on a random line bet. secs. 2 and 3.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 68.05 Intersect N. bdy. of the Tp. at the cor. of secs. 2 and 3, heretofore described; **thence**
- S. 0° 01' W., on a true line bet. secs. 2 and 3.
- Ascend over mountainous land, through a few scattering scrub juniper and pinon, and scattering shadscale, bitter brush and bunch grass.
- 12.65 Ridge, 160 ft. above sec. cor., brs. NE. and SW.; desc.
- 26.00 Gulch, 50 ft. below ridge, course E.; ascend.
- 28.05 True point for $\frac{1}{4}$ sec. cor., falls on conglomerate boulder and it is impracticable to set post at this point, therefore at
- 28.20 Set an iron post, 3 ft. long, 1 in. diam., over cross marked on sandstone outcropping, in a mound of stone 27 ins. high, for witness cor. to $\frac{1}{4}$ sec. cor., with

Subdivision of T. 19 S., R. 13 E.

Chains

brass cap marked

W C
 $\frac{1}{4}$
 S3 | S2
 1923

Cor. stands on spur, 50 ft. above gulch, projects E.; descend.

35.15 Ravine, 100 ft. below spur, course NE.; ascend gradual NE. slope.

68.05 The cor. of secs. 2, 3, 10 and 11, 100 ft. above ravine. Land, rolling and mountainous. Soil, rocky, sandy and clay loam; 3rd and 4th rate. Timber, a few scattering scrub juniper and pinon. Undergrowth, scattering shadscale, bitter brush and bunch grass. Fair grazing.

Latitudes, Departures and Closing Errors

Line Designated	True Course	Dist. Ch.	Latitudes		Departures	
			N. Ch.	S. Chs.	E. Chs.	W Chs.
W.bdy. secs. 35, 26, 23, 14 & 11	N. 0° 01' W.	400.00	400.00			0.12
E.bdy. sec. 2	N. 0° 01' E	68.05	68.05		0.02	
N.bdy. T. 19 SR 13 E	East	160.00			160.00	
E.bdy. T. 19 SR 13 E	South,	468.51		468.51		
S.bdy. T. 19 SR 13 E	West,	160.00				160.00
Convergency					0.19	
Totals			468.05	468.51	160.21	160.12
Error in lat. and dep.				0.46	0.09	

General Description, T. 19 S., R. 13 E.

The lands contained in this fractional township are rolling and mountainous, the west slopes being steep and broken and the east slopes gradual and rolling. There is a low divide extending through sections 14, 13 and 24 dividing the drainage. The land lying to the north of this divide is drained by a large wash the course of which is in a northerly direction through the east portion of sections 14, 12, and 2,

General Description, T. 19 S., R. 13 E.

Chains

while the land lying to the south is drained by Saleratus Wash the course being in a southeasterly direction through sections 23, 26, 25 and 36.

The soil throughout this fractional township is shallow and rocky and may be classed as 3rd and 4th rate, the formation of which is sandstone, conglomerate and shale.

The soil supports a fair growth of shadscale, sagebrush, yellow top and bunch grass, which affords grazing for stock. There is also a very scattering growth of scrub juniper and pinon on this fractional township, which is of very little value except as fuel.

No surface water was found on this township.

No indications of mineral, coal or oil were noted during the execution of the survey.

The Utah Oil and Refinery Company, with improvements consisting of three cabins and an oil rig, is drilling for oil in the SW. $\frac{1}{4}$ of the SE. $\frac{1}{4}$ of section 12, but at the time of the execution of this survey no oil or gas had been found. There are no other improvements or settlers located on this township.

No part of this township is suitable for cultivation, the land being too rough and broken, but the township is adapted for the grazing of stock, there being a medium growth of grasses and brush, which affords good feed.

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Page

4-680

FIELD ASSISTANTS.

6-2704

CERTIFICATE OF UNITED STATES SURVEYOR

I, Jos. C. Thoma, U.S. Cadastral Engineer, ~~U.S. Surveyor~~, hereby certify upon honor that I have
of special instructions received from the U. S. Surveyor General for Utah
bearing date of the 23rd day of May, 19 23 I have well, faithfully, and
in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instru-
tions, and the laws of the United States, surveyed all those parts or portions of the resurvey of
portions of the north and south boundaries, and the survey of portion
of the subdivision of T. 19 S., R. 13 E.,

_____ of the Salt Lake Base
and _____ Meridian, in the State of Utah, which are represented in
the foregoing field notes as having been executed by me, and under my direction; and that all the corners of
said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instru-
tions, and the special written instructions of the U. S. Surveyor General for Utah
and in the specific manner described in the field notes, and that the foregoing are the original field notes of
such survey.

*Washington, D.C.
March 8, 1924.*

Jos. C. Thoma
U.S. Cadastral Engineer. ~~Ex-Surveyor~~

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, April 10, 19 24

The foregoing field notes of the resurvey of portion of the North and South
Boundaries and the survey of portion of the subdivision of
Township 19 South, Range 13 East of the Salt Lake Base and
Meridian.

executed by Joseph C. Thoma, U.S. Cadastral Engineer

under his special instructions dated May 23, 19 23, having been
critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys
they describe, are hereby approved.

[Signature]
U. S. Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in _____
_____, has been correctly copied from the original notes on file in this office.